

Scout Report sent out
 Noted in the NID File
 Location map pinned
 Approval or Disapproval Letter
 Date Completed, P. & A, or
 operations suspended
 Pin changed on location map
 Affidavit and Record of A & P
 Water Shut-Off Test
 Gas-Oil Ratio Test
 Well Log Filed

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~~SHELL OIL COMPANY~~ WELL NO. RATHERFORD 13 -13
 PHILLIPS ~~Oil Co.~~ *API 43-032-15851*
 Sec. 13, T. 41 S, R. 23 E, San Juan County

RATHER
 -FORD
 13-13

MICROFICHE

PW

FILE NOTATIONS

Entered in NID File	_____X_____	Checked by Chief	_____X_____
Entered on S.R. Sheet	_____X_____	Copy NID to Field Office	_____X_____
Location Map Pinned	_____X_____	Approval Letter	_____X_____
Card Indexed	_____X_____	Disapproval Letter	_____
IWR for State or Fee Land	_____		

COMPLETION DATA:

Date Well Completed	<u>4-18-58</u>	Location Inspected	_____
OW <u>X</u> VW _____ TA _____		Bond returned	_____
GW _____ OS _____ PA _____		State of Fee Land	_____

LOGS FILED

Driller's Log 6-25-58
 Electric Logs (No.) 3
 E ✓ I _____ E-I ✓ GR _____ GR-N ✓ Micro _____
 Lat _____ Mi-L _____ Sonic _____ Others _____

912 MCF/G
 EOR 910

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS:

10-4-81 approved for WIW

9-17-71 Subsequent to spring out. & reg. puf. & repair. & acidize

(Have 3 in) Well Log & 3 Electric Logs

DATE FILED: 3-5-58

Nav-14-20-

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN 603-247

DRILLING APPROVED: 3-5-58

Nav. Tract 2

SPUDDED IN: 3-10-58

COMPLETED: 4-18-58

INITIAL PRODUCTION: 999 BOPD 34" ch; 912 MC74/D; 76 BWPD

GRAVITY A. P. I. 41°

GOR: 910: 1

PRODUCING ZONES: 5354-5500

TOTAL DEPTH: 5500

WELL ELEVATION: 4573.5 DF

DATE ABANDONED:

FIELD OR DISTRICT: ~~Rutherford~~ Aneth

COUNTY: San Juan

WELL NO. RATHERFORD 13-13 (Ratherford 13-13)

AD 43-137-15851

LOCATION: 1980 FT. FROM (N) (S) LINE, 4620 FT. FROM (E) (W) LINE.

NW SW QUARTER - QUARTER SEC. 13

12

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

Phillips Petroleum Co.

✓

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS:

10-4-81 Drilled 101 WEL

9-17-71 Subsequent spacing out. & regrading. & regrading.

(Have well 101 WEL & 102 WEL)

DATE FILED 3-5-58 Nav-14-20-

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN 603-247

DRILLING APPROVED: 3-5-58 Nav. Tract 2

SPUDDED IN: 3-10-58

COMPLETED: 4-18-58

INITIAL PRODUCTION: 999 BOPD 31.4' DISCHARGE; 76 BWPD

GRAVITY A. P. I. 41°

GOR: 910.1

PRODUCING ZONES: 5354-5500

TOTAL DEPTH: 5500

WELL ELEVATION: 4573.6 DF

DATE ABANDONED:

FIELD OR DISTRICT: Rutherford Aneth

COUNTY: San Juan

WELL NO. RATHERFORD 13-13 (Rutherford 13-13) AD 43-137-15851

LOCATION: 1980 FT. FROM (N) (S) LINE, 4620 FT. FROM (E) (W) LINE. NW SW QUARTER - QUARTER SEC. 13

050703

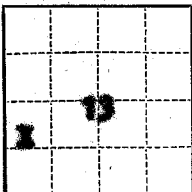
TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
41 S	23 E	13	PHILLIPS Petroleum Co. SHELL OIL COMPANY				

GEOLOGIC TOPS:

QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville
Pleistocene	Mancos	Cutler 2242	Redwall
Lake beds	Upper	Hoskinnini	DEVONIAN
TERTIARY	Middle	DeChelly	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgaite tongue	Elbert
Bishop conglomerate	Frontier	Phosphoris	Guilmette
Oligocene	Dakota	Park City	Simonson dolomite
Norwood	Burro Canyon	Rico (Goodridge)	Sevy dolomite
Eocene	Cedar Mountain	Supai	North Point
Duchesne River	Buckhorn	Bird Springs	SILURIAN
Uinta	JURASSIC	CARBONIFEROUS	Laketown dolomite
Bridger	Morrison	Pennsylvanian	ORDOVICIAN
Green River	Salt Wash	Oquirrh	Eureka quartzite
Upper	San Rafael Gr.	Weber	Pogonip limestone
Middle	Summerville	Morgan	CAMBRIAN
Lower	Bluff sandstone	Hermosa	Lynch
Wasatch	Curtis	Upper 4294	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox 5325	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo	B	
North Horn	Kayento	C	
CRETACEOUS	Wingate	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle	Chainman shale	
Price River	Shinarump 2015	Humbug	
Blackhawk	Moenkapi 95	Joana limestone	

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 28, 19 58

Well No. 13-12 is located 1980 ft. from N line and 4620 ft. from E line of sec. 12

SW13 418 23E 612M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Rutherford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation ~~at the surface of the well~~ is 4556 ft. (Approx. Ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Work:

1. Drill 12-1/4" hole to 1320'±.
2. Run and cement 8-5/8" casing at 1320'± with 700 sacks treated cement.
3. Drill 7-7/8" hole to 5324'±.
4. Cement 5-1/2" casing at 5324'± with 200 sacks construction cement.
5. Clean out to 5326'±.
6. Wireline core 4-3/4" hole to 5480'±.
7. Run tubing with formation packer. Spot 500 gal. mud acid.
8. Acidize in two stages with 3,000 gal. regular and 3,000 gal. retarded acid.
9. Shut well in and establish production rate.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Bohrend Avenue

Farmington, New Mexico

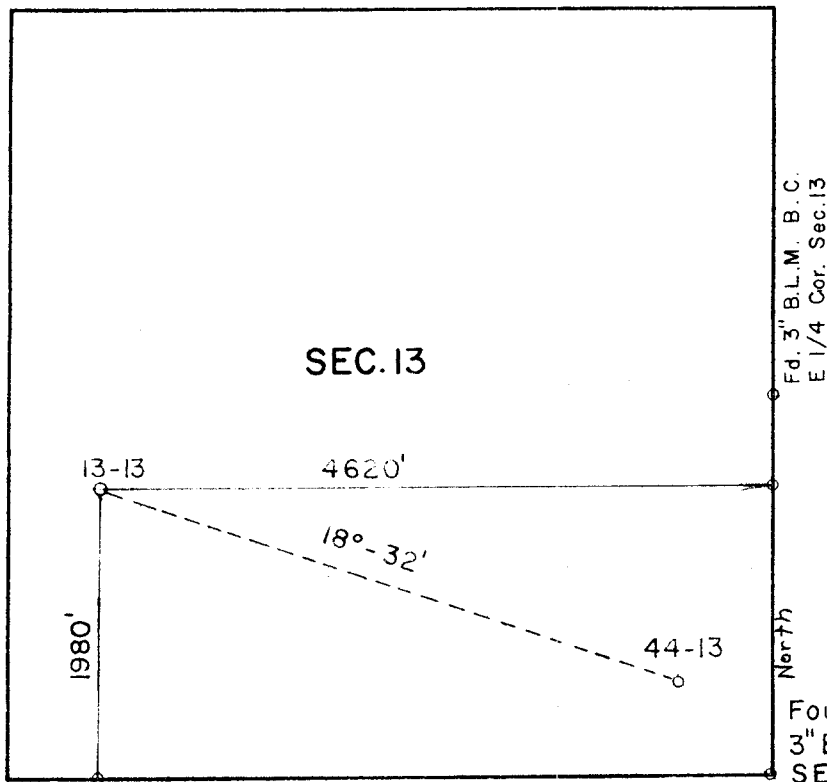
Original signed by
B. W. SHEPARD

By B. W. Shepard
Title Exploitation Engineer

Title

T 41.S

R 23.E



Set 1" x 2" hub and 6' flag at location 1980' N & 4620' W from the SE corner Section 13, T41S, R23E, SLBM, San Juan County, Utah. Tract No. 77. RP set 150' N, 200' W, 130' S and 203' E of location. B.M. at "+" on sand stone ledge 338' east of location. February 7, 1958, Field Book F-3, Page 39

Elevation

Ground - 4556.1
B.M. - 4571.73

This is to certify that the above plat was plotted from field notes of a survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Paul Schum
Registered Land Surveyor
Certificate No. 2158

DRAWN BY HCM

TRACED BY

CHECKED BY *B.H.F.*

SHELL OIL COMPANY

DATE FEB. 7, 1958

SCALE

FILE NO. Z-

LOCATION OF NORTH DESERT CREEK 13-13
SAN JUAN COUNTY, UTAH, SEC. 13, T. 41S., R. 23E., SLM

March 5, 1958

Shell Oil Company
101 South Behrend
Farmington, New Mexico

Attention: B. W. Shepard, Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. North Desert Creek (Ratherford) 13-13, which is to be located 1980 feet from the south line and 4620 feet from the east line of Section 13, Township 41 South, Range 23 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

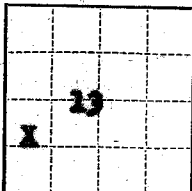
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

2



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo

Allotted Tribal Lands

Lease No. 14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

7/18
3/28

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

_____ March 17 _____, 1958

North Desert Creek

Well No. 13-13 is located 1980 ft. from SE line and 4620 ft. from E line of sec. 13

SE 13 41S 23E S1E4

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Rutherford San Juan Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~shut-off~~ above sea level is 4554 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Spudded 3-10-58)

Ran and cemented 8-5/8" 28#, J-55 casing at 1284 with 700 sacks treated cement. Good returns to surface. Flanged up and waited on cement. Tested BOP and casing with 700 PSI 15 min. OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

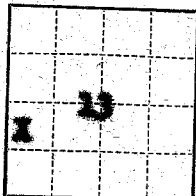
Company Shell Oil Company

Address 101 South Behrend

Farmington, New Mexico

Original signed by
By B. W. SHEPARD

Title Exploitation Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of Well Completion X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 23

, 19 58

North Desert Creek

Well No. 13-13 is located 1960 ft. from N line and 4620 ft. from E line of sec. 13

SW 13

(¼ Sec. and Sec. No.)

14 S

(Twp.)

23 E

(Range)

SLM

(Meridian)

Rutherford

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~surface~~ **Kelly Bushing** above sea level is 4574.7 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 3-31-58 Cemented 5 1/2 " 14#, J-55 casing at 5356' with 200 sacks regular cement.
4-1-58 to 4-3-58 - Wireline cored to 5500'. Ran logs.
4-16-58 Checked TD at 5500'. Ran 2 7/8" tubing to 5498' with perfor at 5463-67', seating nipple at 5462'.
4-17-58 Acidized with 500 gal. mud acid, 1000 gal. regular and 5000 gal. retarded acid, overflushed with 5000 gal. oil.
4-18-58 Swabbed and flowed 154 bbls. oil and 50 bbls. acid water.
Initial Production: (7 hr. test) Flowing 1075 B/D gross rate, 1000 B/D oil rate, 7.0% cut, 912 MCF/D gas, GOR 910, 48/64" choke, GP 0, TP 280-300.

Completed 4-18-58

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

Farmington, New Mexico

By Original signed by
B. W. SHEPARD

Title Division Exploitation Engineer

[illegible]

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, New Mexico
Lessor or Tract Tribal-North Desert Creek Field Ratherford State Utah
Well No. 13-13 Sec. 13 T. 41S R. 23E Meridian SLBM County San Juan
Location 1980 ft. (N. of S. Line and 4620 ft. (E. of W. of E. Line of Section 13 Elevation 4575 KB
(Derrick floor relative to sea level)

Signed _____

Date April 25, 1958 Title Exploitation Engineer

Commenced drilling March 10, 1958 Finished drilling April 4, 1958

(Denote gas by G)

Open Hole (Denote gas by G)

No. 1, from <u>5356</u> to <u>5500</u> No. 2, from _____ to _____ No. 3, from _____ to _____	No. 4, from _____ to _____ No. 5, from _____ to _____ No. 6, from _____ to _____
--	--

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
5/8"	28#	8	-	1274'	Baker	-	-	-	Surface
1 1/2"	81#	4	-	5345'	Baker	-	5356'	5500'	Production
<p>These shoes are made of synthetic steel, designed for running of casing. They are made of the best material and are designed to last for a long time. They are made of the best material and are designed to last for a long time. They are made of the best material and are designed to last for a long time.</p>							<p>(open hole)</p>		
<p>HISTORY OF OIL OK CYS WELL</p>									
							16-43064-3	2' COASTWATER SPRING OFFICE	

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
-5/8"	1284'	500 Pozzomix + 200	Displacement	-	-
-1 1/2"	5356'	200	Displacement	-	-

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

FOLD ! MARK

FOLD

SHOOTING RECORD

TOOLS USED

DATES

Gravity, ~~100~~ ⁰Bé. Approx. 41° API -----

Rock pressure, lbs. per sq. in. -----

R. W. Rambo	Driller	L. D. Hughes	Driller
A. W. Kirk	Driller		Driller

FORMATION RECORD

[OVER]

EDUCATION RECORD-Continued

100-1029

SHELL OIL COMPANY

North Desert Creek

WELL NO. 13-13

Rutherford

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

4-4-58

13

(SECTION OR LEASE)

T41S R23E

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 1980' N and 4620' W of SE Corner Section 13, T41S, R23E, SLBM, San Juan County, Utah.</p> <p><u>Elevations:</u> DF 4573.5' GR 4565.3' KB 4574.7'</p>
3-10 to 3-15	0	1285	Spudded 11:30 P.M. March 10, 1958. Cemented 35' of 13 3/8" conductor pipe set at 45' with 50 sacks cement. Ran and cemented (1274') 8 5/8", 28#, J-55 casing at 1284' with 500 sacks 1:1 Pozzo mix followed by 200 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement.
3-16	1285	1830	<u>Drilled 545'</u> : Pressure tested casing and BOP with 700 psi for 30 minutes, OK.
3-17 to 3-21	1830	4099	<u>Drilled 2269'</u> : Stuck drill pipe at 4099'. Worked stuck pipe 12 hours.
3-22 to 3-30	4099	5360	<u>Drilled 1261'</u> : Ran electrical survey.
3-31	5360		Ran and cemented (5346') 5 1/2", 14#, J-55 casing at 5356' with 200 sacks cement. Waited on cement.
4-1	5360	5377	<u>Drilled 1' Cored 16'</u> : Pressure tested casing with 600 psi, OK. Ran in 4 1/2" drill tubing and 4 3/4" wire line core. Core #1 5361-5377.
4-2 to 4-3	5377	5500	<u>Cored 123'</u> : Core #2 5377-5392, Core #3 5392-5408, Core #4 5408-5412, Drilled 5412-17, Core #5 5417-5433, Core #6 5433-5449, Core #7 5449-5465, Core #8 5465-5481, Core #9 5481-5490, Core #10 5490-5500. Ran Induction-Electrical Survey, Gamma Ray-Neutron Log and Microlog.
4-4	5500	TD	Displaced mud with water. Released rig 11:30 A.M. April 4, 1958.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

Checked BOP daily

Mud Summary

Wt. 9.2-10.3#/gal.

Vis. 33-60 sec

WL 8-45 cc

FC 1-4/32"

Contractor: Great Western Drilling Co.

Drillers: R. W. Rambo

A. W. Kirk

L. D. Hughes

B. B. Robinson

SIGNED

Ratherford

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT FOR PERIOD ENDING

4-4-58

13

(SECTION OR LEASE)

T41S R23E

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
4-16	5500	TD	Pulled tubing. Reran 2 7/8" tubing to 5498' with perforations at 5463-67, seating nipple 5462'.
4-17			Displaced water with oil. Washed formation (open hole interval 5356-5500) with 500 gal. mud acid injected 1000 gal. XFW acid and 5000 gal. Jel X-100 acid. Maximum pressure 3600 psi, minimum pressure 2100 psi, final pressure 2950 psi. Injection rate 4.8 bbl/min (acid) 3 bbl/min (flush) Flushed with 154 bbls. oil.
4-18			Swabbed and flowed (15 hour test) 154 bbls. oil and 50 bbls. acid water. Flowed 60 bbl. fluid on 1" choke on last hour of test. On a 7 hour test flowed 292 bbl. oil and 22 bbl. acid water.

INITIAL PRODUCTION

Flowing. 1075 B/D gross, 1000 B/D oil, cut 7%,
gas 912 MCF/D. GOR 910, TP 280-300, CF 0.

Completed April 18, 1958.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
15"	0	45'	13 3/8"	45' Conductor Pipe
12 1/4"	45	1285'	8 5/8"	1284'
7 7/8"	1285	5460'	5 1/2"	5356'
4 3/4"	5460	5500		
DRILL PIPE SIZES 4 1/2" & Drill Tubing				

E. E. Robinson

SIGNED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME SW-I-4192
2. NAME OF OPERATOR Phillips Petroleum Company	8. FARM OR LEASE NAME Ratherford Unit
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, Wyoming 82602	9. WELL NO. 13-13
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL & 4620' FEL, NW SW	10. FIELD AND POOL, OR WILDCAT Greater Aneth
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-T41S-R23E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4574' RKB	12. COUNTY OR PARISH San Juan
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐~~RECOMPLETION~~ ACIDIZING ☒(Other) ☐REPAIRING WELL ☒ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

October 19 through December 29, 1977

SEE ATTACHED FOR COMPLETE DETAILS

18. I hereby certify that the foregoing is true and correct

SIGNED

D. J. Fisher

TITLE Operations Superintendent

DATE February 24, 1978

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3 - USGS, Farmington, NM

2 - Utah O&G CC, Salt Lake City, UT

1 - Aztec Oil & Gas Co., Farmington, NM

1 - File 1 - Superior, Conroe, TX

See Instructions on Reverse Side

Lease Ratherford Unit

Well No. 13-13

Authorization No. P-3289

Summary of Work Performed: October 19 through December 29, 1977 -

Squeeze cemented csg leak 3678-89'. Milled and retrieved stuck squeeze cementer at 2831'. Milled and retrieved stuck tbg anchor at 5227'. Cleaned out hole to 5491'. Acidized Zone I w/500 gal 15% HCL and Returned to Pumping.

AVERAGE DAILY PRODUCTION

	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth - Zone I	60	NR	275
After Work	" "	50	NR	275
Before Work				
After Work				

DATE

P.T.D.

DAILY REPORT DETAILED

1977
Oct
19

RATHERFORD UNIT NO. 13-13 PTD 5500. INITIAL REPORT. PREPARING TO RUN WASHOVER PIPE. MI AND RU R AND R WS UNIT 10/8/77. CUT AND RETRIEVED TBG IMMEDIATELY ABOVE STUCK ANCHOR CATCHER AT 5212 FEET. SET BP AT 5173 FEET. SQZD CSG LEAK 3678-89 FEET W/100 SX CLASS "B". 10 PERCENT SALT AND 1-1/4 PERCENT CFR-2. MP 1900 PSI. FINAL HOLDING PRESS 600 PSI. GMT TOP IN CSG AT 3604 FEET. STARTED COH W/BAKER RETRIEVAMATIC CEMENTER AND HUNG UP AT 2831 FEET. WOULD NOT GO UP OR DOWN. BACKED OFF TBG 2791 FEET AND COOH. WHILE GIH W/BUMPER SUB AND JARS, LOST 2 SLIP SEGMENTS IN HOLE. 2-1/2" WIDE BY 7" LONG. RAN MAGNET UNSUCCESSFULLY. ATTEMPTED TO SCREW INTO FISH UNSUCCESSFULLY. RAN MAGNET ON TBG UNSUCCESSFULLY. RAN IMPRESSION BLOCK, SLIP IS LYING AGAINST CSG WALL AND APPARENTLY BTM END IS ON TOP OF TBG. RAN SHORT CATCH OS W/2-1/2" GRAPPLE. NO RECOVERY. MARKINGS ON GRAPPLE INDICATE SLIP SEGMENT ABOUT 1" ABOVE TBG COLLAR. BUILT STINGER ON MAGNET SKIRT AND RAN MAGNET. NO RECOVERY. MARKS ON MAGNET INDICATE SLIP SEGMENT NOW CENTERED IN TBG. RAN IMPRESSION BLOCK, SLIP SEGMENT IS INSIDE TBG W/TOP OF SLIP FLUSH W/TOP OF TBG COLLAR. WIH W/BUMPER SUB, JARS AND DCS. TRIED TO SCREW IN FISH, UNSUCCESSFUL. COOH. PU OVERSHOT WO/GRAPPLE. WIH AND BUMPED DOWN ON FISH. MOVED DOWN HOLE 6". UNABLE TO MOVE. COOH. SDON. EMERGENCY APPROVAL AND AFE HAVE BEEN REQUESTED TO SQUEEZE CMT CSG LEAK AT 3678-89 FEET, REMOVE STUCK SQUEEZE CEMENTER AT 2381 FEET WITH REPAIR AND SQUEEZE OF PROBABLY COLLAPSED CSG AT THAT DEPTH, REMOVE STUCK TBG ANCHOR AT 5500 FEET, RETURN WELL TO PRODUCTION. WILL FURNISH NUMBER WHEN RECEIVED. LOCATION - NW SW, SEC. 13-T415-R23E, GREATER ANETH FIELD, SAN JUAN COUNTY, UTAH. ELEV. 4574 FEET RKB. SUB AREA CODE 626. DATE LAST PRODUCED 9/27/77. LAST TEST BEFORE WORKOVER - 60 BOPD, 275 FWPB.

20

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO MILL OUT SLIP ELEMENT AND CO TO PKR TOP AT 2831 FEET. WIH W/WASHOVER PIPE ANND 4-3/4" BY 4-1/4" WASHOVER SHOE, JARS, DCS AND TBG. WENT OVER TOP OF TBG FISH AND DOWN TO 2817 FEET ON IRON. ROTATED 1/2 HR. COOH. MARKS ON WASHOVER SHOE WERE ON THE INSIDE. NO MARKS ON OUTSIDE OF SHOE. SDON. /AFE P-3289/..

Original Signed By
D. J. Fisher

February 24, 1978

Date Prepared

District Approval

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 13-13

SHEET NO. 2

DATE 1977 OCT 21 TOTAL DEPTH 21
NATURE OF WORK PERFORMED

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO RUN OVERSHOT TO JAR PKR OOH. WIH W/TBG. TAGGED TOP OF FISH. STRAPPED OOH. CORRECTED FISH DEPTH FROM 2791 FEET TO 2805 FEET. WIH W/4 - 3/4" BY 4-1/8" MILL, WASHOVER PIPE, DCS AND JARS. WENT OVER TOP OF FISH TO TOP OF PKR AT 2840 FEET, NO RESTRICTIONS. COOH. SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO RUN 4-3/4" BY 4 1/2" MILL AND WASHOVER SHOE. 10/22/77 - WIH W/Q5. CAUGHT FISH, JARRED LOOSE AND START OOH, DRAGGING 30,000-40,000 ALL THE WAY. PLD TO 1381 FEET. HUNG UP. UNABLE TO JAR LOOSE. BMDP DN AND HARNED. PKR MANDREL PARTED 9" DN IN PKR. COOH AND SDON. 10/23/77 - RAN MAGNET, NO RECOVERY. RAN IMPRESSION BLOCK. TOP OF PKR COCKED IH. WIH W/KUT-RITE MILL. HAD TO FILL HOLE W/WTR INDICATING POSSIBLE HOLE IN CSG. MILLED ON PKR AT 1381 FEET. TORQUED UP. PU AND ROTATED DN. STARTED CUTTING METAL 3" HIGHER THAN 1ST TAGGED. TORQUED UP. PU. ON METAL 5-1/2" HIGHER THAN 1ST TAGGED. WORKED AND MILLED 4-1/4 HRS TO 1-1/2" LOWER THAN 1ST TAGGED. COOH. MILL WORN OUT. SOLID MARKINGS 1-1/2" UP INSIDE OF MILL. LIGHT MARKINGS AN ADDITIONAL 3-1/2" UP. SDON. 10/24/77 - SD OVER SUNDAY..

RATHERFORD UNIT NO. 13-13 PTD 5500. GIH W/NEW WASHOVER SHOE. WIH W/WASHOVER SHOE. TAGGED PKR AT 1382 FEET. MILLED 5 HRS AND MADE 4-3/8". MILL WORE OUT. COOH. NO MARKINGS ON OUTSIDE. INSIDE IS MARKED 5-7/8" UP. DURING MILLING OPERATION, AT ONE POINT MILL DROPPED 6" AND AT ANOTHER POINT 10" OF HOLE WAS LOST - BELIEVE PKR IS MOVING.

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO CONTINUE JARRING AND ROTATING TO RELEASE TAP. WENT IN W/WASHOVER SHOE. TAGGED AT 1383 FEET. STARTED MILLING. MILLED 4 HRS AND COOH. SHOE SHOWED WEAR 6-3/4" INSIDE SHOE. WOH W/TAPERED TAP. TAGGED AT 1383 FEET. SCREWED INTO PKR. JARRED UP AND DOWN UNSUCCESSFULLY. PKR APPEARS TO BE TURNING. SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO RUN WASHOVER SHOE. ATTEMPTED TO RELEASE SAFETY JOINT, UNABLE TO DO SO. BACKED OFF IN CENTER OF JARS. LEFT IN HOLE - TAPER TAP, SAFETY JOINT, BUMPER SUB, 1/2 OF JARS. TOTAL LENGTH 12.83 FEET. TOP OF FISH 1370 FEET. PU 4-3/4" X 4-1/4" WASHOVER SHOE. WIH TO 1383 FEET. MILLED 2-1/3 HRS, NO PROGRESS. COOH. WASHOVER SHOE TAPERED INSIDE AND WORN OUT. WIH W/NEW WASHOVER SHOE. MILLED 1-1/4 HRS, NO PROGRESS. COOH. WASHOVER SHOE FLAKED AND WORN OUT. SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO RUN 4-3/4" X 4" WASHOVER SHOE. PU AND RAN 4-3/4" X 4-1/8" WASHOVER SHOE. MILLED 4 HRS. MADE 6" PROGRESS. COOH. WASHOVER SHOE TAPERED AND WORN OUT. SDON..

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 13-13

SHEET NO. 3

DATE 10-29-77
TOTAL DEPTH 31
NATURE OF WORK PERFORMED

RATHERFORD UNIT NO. 13-13 PTD 5500. 10-29-77 PREP TO RUN WO SHOE. WIH W/4 3/4 BY 4 WO SHOE. TAGGED PKR AT 1382. MILLED 5 HRS. COOH TO CHANGE SHOE. TWO PORTIONS OF TOP PKR INSIDE SHOE. WIH W/4 3/4 BY 4 WO SHOE. MILLED 2 1/2 HR. RETURNS WERE RUBBER AND METAL. MILLED TO 1383.3 FEET. COOH W/VO SHOE. SDON. 10-30-77 PREP TO RUN MAGNET. WIH W/4 3/4 BY 5 WO SHOE. MILLED 1 HR. WO SHOE WAS TORQUEING BAD. COOH AND DRAGGED PKR WHEN STARTED OUT. WIH W/OS, PKR AT 1353. LATCHED ON. COOH W/PKR, TAP, BMPR SUB AND REMAINDER OF JARS. RAN 4 1/2 MAGNET TWICE TO 3600. PU CUTTINGS. ONE PKR SLIP REMAINED IN HOLE. SD FOR SUNDAY..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO DRL CMT FROM 3558 TO 3689. WIH W/MAGNET. TAGGED TOP OF FILL AT 3528. CIRC. DN TO 3558. CLND CIRCULATING FLUID. PRESS TO 750 PSI. AND HELD OK. CONCLUDED CSG. NOT LEAKING OR DAMAGED. COOH. W/MAGNET AND WAS LOADED W/PKR SLIP AND OTHER METALS. RAN MAGNET AGAIN W/LITTLE RECOVERY. WIH W/4 3/4 BIT AND CSG. SCRPR AND DCS TO 2928, SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO FINISH DRLG CMT. TAGGED CMT AT 3558. TBG MEAS. DRLD TO 3673. SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO COOH W/BP. FINISHED DRLG CMT. PRESS TSTD TO 750 PSI - HELD OK 10 MIN. CIRC SD OFF BP. COOH. WIH W/RETR. TOOL. LATCHED ON BP AND STARTED COOH. SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO RELEASE OS AND COOH. COOH W/BP. WIH W/OS AND JARS. LATCHED ONTO ANCHOR. UNABLE TO JAR LOOSE. SION W/80000 POUND TENSION ON STRING..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO RUN NEW WASHOVER SHOE. 11/5/77 - JARRED 1/2 HR., NO MOVEMENT. RELEASED OS. COOH. WIH W/4-3/4" X 3-7/8" WASHOVER SHOE. MILLED 2-1/2 HRS. CUT 7". MILL WORE OUT. COOH. SDON. 11/6/77 - WIH W/NEW SHOE. MILLED 1-1/2 HRS. ONLY CUT 2". STARTED COOH. SDON. 11/7/77 - SD OVER UNDAY..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO GO INSIDE FISH AND CUT OFF BELOW ANCHOR. FIN COOH W/WASHOVER SHOE. LITTLE WEAR ON SHOE INDICATING ANCHOR TURNING. WIH W/OS AND JARS. UNABLE TO JAR LOOSE. RELEASED OS AND COOH. SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO FISH ANCHOR. WIH W/2" BIT AND 1 JT OF 1.660" DRILL PIPE. CO 33 FEET INSIDE ANCHOR AND 2-1/2" TBG. COOH. WIH W/OS AND TBG. RU MCCULLOUGH AND CHEMICAL CUT TAILPIPE AT 5256 FEET. START COH. SDON..

RATHERFORD UNIT NO. 13-13 PTD 5500. PREP TO WASHOVER TAILPIPE. COOH. WIH W/OS AND JARS. JARRED ANCHOR LOOSE. COOH W/3.5 FEET STUB OF TBG, ANCHOR, MANDREL, CONES AND 27-1/2 FEET OF TAILPIPE. DID NOT RECOVER OUTER SHELL OF ANCHOR, 17" LONG BY 1/4" METAL THICKNESS, AND ANCHOR SLIPS, BUT BELIEVE THEY ARE MOSTLY MILLED UP. GIH W/WASHOVER SHOE. SDON..

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 13-13

SHEET NO. 5

DATE 12/23/77 TOTAL DEPTH 5500
NATURE OF WORK PERFORMED

1977
12/23/77
29
RATHERFORD UNIT NO. 13-13 PTD 5500. /PU FROM TEMPORARY DRQP
NOVEMBER 30./ 12/23/77 - PMPD 24 HRS, REC 50 BQ, 275 BW. FL
5404 FEET. FINAL REPORT SUMMARY. DURING ROUTINE WELL SERVICE,
FOUND TBG STUCK IN HOLE. CUT OFF TBG ABOVE ANCHOR CATCHER AT 5212
FEET AND RETRIEVED. SQZD CSG LEAK 3678-89 FEET. CEMENTER HUNG
UP AT 2831 FEET. BACKED OFF TBG 2791 FEET. LOST 2 SLIP SEGMENTS
IN HOLE. UNABLE TO JAR CEMENTER LOOSE. MILLED OVER AND RECOVERED
CEMENTER. CLEANED OUT HOLE TO ANCHOR CATCHER, UNABLE TO JAR ANCHOR
CATCHER LOOSE. MILLED OVER ANCHOR AND RECOVERED. CLEANED OUT
HOLE TO 5491 FEET. ACIDIZED PRODUCING FORMATION W/500 GAL 15
PERCENT HCL AND RETURNED TO PUMPING OIL WELL, ZONE 1 5356 - 5500
FEET OPEN HOLE, PARADOX FORMATION, SAN JUAN COUNTY, UTAH WITH
A FINAL TEST OF 50 BOPD, 275 BWPD. FINAL REPORT..

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

RECEIVED
MAY 16 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

APPLICATION FOR INJECTION WELL

DIVISION OF
OIL, GAS & MINES

Operator: Phillips Petroleum Company Telephone: (307) 237-3791

Address: P. O. Box 2920

City: Casper State: Wyoming Zip: 82602

Well no.: 13 W13 Field or Unit name: Ratherford Unit

Sec.: 13 Twp.: 41S Rng.: 23E County: San Juan Lease no.: 14-20-603-247

	YES	NO
Is this application for expansion of an existing project?.....	<u>X</u>	<u> </u>
Will the proposed well be used for: Enhanced recovery?.....	<u>X</u>	<u> </u>
Disposal?.....	<u> </u>	<u>X</u>
Storage?.....	<u> </u>	<u>X</u>
Is this application for a new well to be drilled?.....	<u> </u>	<u>X</u>
Has a casing test been performed for an existing well?.....	<u> </u>	<u>X</u>

(If yes, date of test:)

Injection interval: from 5356 to 5500

Maximum injection: rate 500 BWPD pressure 3000 psig

Injection zone contains X oil, X gas or fresh water within 1/2 mile.

Additional information as required by Rule 502 should accompany this form.

I hereby certify that the foregoing is true and correct to the best of my knowledge:

Signed: D.C. Gill Title: Area Manager Date: 8/13/86
D.C. Gill

(This space for DOGM approval)

Approved by: Title: Date:

LOCATION: NW3W Sec 13-T41S-R23E
FIELD: GREATER ANGE San Juan Co, UT
RESERVOIR: Desert Creek Zone I

COMPLETION: Proposed
PRESENT STATUS: Conversion to water injector

RKB 4574.7'
GL 4565.

SURFACE CASING: 8 5/8" 28#

Well #: 13W13

PRODUCTION CASING: 5 1/2" 14#

1245'

PERFORATIONS:
open hole 5356 - 5439

PACKER: Baker Model AB
Tension Type Pkr or Similar
Set at approx. 5256'

Logs on file: _____
Gamma Ray
SP
Neutron Porosity
Electrical Resistivity

5356'

PBTD: 5439.
OTD: 5500'

Phillips Petroleum Company



PHILLIPS PETROLEUM COMPANY

CASPER, WYOMING 82602
BOX 2920

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

RECEIVED
AUG 15 1986

**DIVISION OF
OIL, GAS & MINING**

State of Utah
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: Gil Hunt

RE: Ratherford Unit
San Juan County
Class II Injection Well
Conversions

Dear Mr. Hunt:

Enclosed are applications of conversions for the last eleven wells in the Ratherford Unit Conversion Program. The well numbers are:

	12-W11	13-W11	13-W33
8W34	12-W24	13-W13	17-W32
11W42	12-W33	13-W22	18-W12

We have listed, on each well bore schematic, the logs on file for that well. We have also enclosed a copy of our letters to mineral lease operators and landowners in the area informing them of these proposed well conversions. Please refer to the attachment package of February and June 1986 for other required information. Please contact Renee Taylor at (307) 237-3791 with any questions.

Thank you for your help in making this conversion program run smoothly.

Sincerely,

PHILLIPS PETROLEUM COMPANY

D. C. Gill
Area Manager

RCT/fb (23)

Attach

cc: B. J. Murphy - Casper w/o attach
J. R. Reno - Cortez w/attach.
Casper RC



PHILLIPS PETROLEUM COMPANY

CASPER, WYOMING 82602
BOX 2920, Casper, Wyoming 82602

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

Navajo Tribe
Department of Water Management
P. O. Box 308
Window Rock, AZ 86515

Attn: Masued Uz Zaman

Re: Ratherford Unit
Injection Well Conversions

Dear Sirs,

Phillips Petroleum Company has made application to the State of Utah, Division of Oil, Gas and Mining to convert eleven existing producing wells to water injection wells in the Ratherford Unit secondary recovery project. The revised rule 502(b)(12) requires that you are notified of these plans and are provided with a copy of the application for injection well (Form DOGM-UIC-1). Under Rule 503 you are provided with the opportunity to object to the proposed application.

"Applications for Injection Well" are attached for the following existing wells:

	12W11	13W11	13W33
8W34	12W24	13W13	17W32
11W42	12W33	13W22	18W12

Please contact Renee Taylor or Blair Murphy at (307) 237-3791 with any questions.

Sincerely,

Original Signed By:
D. C. GILL

D. C. Gill
Area Manager

RCT/fb (17)

cc: B. J. Murphy-Casper
J. R. Reno-Cortez
St. of Utah OG&M/UIC
Casper-RC



PHILLIPS PETROLEUM COMPANY

CASPER, WYOMING 82602

BOX 2920

P.O. Box 2920, Casper, Wyoming 82602

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

Mobil Oil Corp.
P.O. Box 5444
Denver, CO 80217
Attn: Joint Interest Advisor

Re: Ratherford Unit
Injection Well Conversions

Dear Sirs,

Phillips Petroleum Company has made application to the State of Utah, Division of Oil, Gas and Mining to convert eleven existing producing wells to water injection wells in the Ratherford Unit secondary recovery project. The revised rule 502(b)(12) requires that you are notified of these plans and are provided with a copy of the application for injection well (Form DOGM-UIC-1). Under Rule 503 you are provided with the opportunity to object to the proposed application.

"Applications for Injection Well" are attached for the following existing wells:

	12W11	13W11	13W33
8W34	12W24	13W13	17W32
11W42	12W33	13W22	18W12

Please contact Renee Taylor or Blair Murphy at (307) 237-3791 with any questions.

Sincerely,

Original Signed By:
D. C. GILL

D. C. Gill
Area Manager

RCT/fb (17)

cc: B. J. Murphy-Casper
J. R. Reno-Cortez
St. of Utah OG&M/UIC
Casper-RC



PHILLIPS PETROLEUM COMPANY

CASPER, WYOMING 82602
BOX 2920 BOX 2920, Casper, Wyoming 82602

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

Texaco, Inc.
P.O. Box 3360
Casper, WY 82602
Attn: A. J. Sanford

Re: Ratherford Unit
Injection Well Conversions

Dear Sirs,

Phillips Petroleum Company has made application to the State of Utah, Division of Oil, Gas and Mining to convert eleven existing producing wells to water injection wells in the Ratherford Unit secondary recovery project. The revised rule 502(b)(12) requires that you are notified of these plans and are provided with a copy of the application for injection well (Form DOGM-UIC-1). Under Rule 503 you are provided with the opportunity to object to the proposed application.

"Applications for Injection Well" are attached for the following existing wells:

	12W11	13W11	13W33
8W34	12W24	13W13	17W32
11W42	12W33	13W22	18W12

Please contact Renee Taylor or Blair Murphy at (307) 237-3791 with any questions.

Sincerely,

Original Signed By:
D. C. GILL

D. C. Gill
Area Manager

RCT/fb (17)

cc: B. J. Murphy-Casper
J. R. Reno-Cortez
St. of Utah OG&M/UIC
Casper-RC

RECEIVED
AUG 15 1986

54100-1203
5012530-5340

APPLICATION FOR INJECTION WELL

DIVISION OF
OIL, GAS & MINES

Operator: Phillips Petroleum Company Telephone: (307) 237-3791

Address: P. O. Box 2920

City: Casper State: Wyoming Zip: 82602

Well no.: 13 W13 Field or Unit name: Rutherford Unit

Sec.: 13 Twp.: 41S Rng.: 23E County: San Juan Lease no. 14-20-603-247

	YES	NO
Is this application for expansion of an existing project?	<u>X</u>	<u> </u>
Will the proposed well be used for:		
Enhanced recovery?	<u>X</u>	<u> </u>
Disposal?	<u> </u>	<u>X</u>
Storage?	<u> </u>	<u>X</u>
Is this application for a new well to be drilled?	<u> </u>	<u>X</u>
Has a casing test been performed for an existing well?	<u> </u>	<u>X</u>

(If yes, date of test:)

Injection interval: from 5356 to 5500

Maximum injection: rate 500 BHPD pressure 3000 psig

Injection zone contains X oil, X gas or fresh water within 1/2 mile.

Additional information as required by Rule 502 should accompany this form.

I hereby certify that the foregoing is true and correct to the best of my knowledge:

Signed: D.C. Gill Title: Area Manager Date: 8/13/86
D.C. Gill

(This space for DOGM approval)

Approved by: Title: Date:

LOCATION: NW 1/4 Sec 13-T41 S - R23 E
FIELD: GREATER ANENET San Juan Co, Ut
RESERVOIR: Desert Creek Zone I

COMPLETION: Proposed
PRESENT STATUS: Conversion to water injector

RKB 4574.7'
GL 4565.

SURFACE CASING: 8 5/8" 28#

Well #: 13W13

1245'

PRODUCTION CASING: 5 1/2" 14#

PERFORATIONS:

open hole 5356 - 5439

Logs on file: _____

Gamma Ray

SP

Neutron Porosity

Electrical / Resistivity

PACKER: Baker Model AB
Tension Type Pkr or Similar
Set at approx. 5256'

5356'

PBTD: 5439.

OTD: 5500'

Phillips Petroleum Company

APPLICATION FOR INJECTION WELL

Operator: Phillips Petroleum Company Telephone: (307)237-3791

Address: P. O. Box 2920

City: Casper State: Wyoming Zip: 82602

Well no.: 13W13 Field or Unit name: Ratherford Unit

Sec.: 13 Twp.: 41S Rng.: 23E County: San Juan Lease no. 14-20-603-247

	YES	NO
Is this application for expansion of an existing project?.....	<u>X</u>	<u> </u>
Will the proposed well be used for: Enhanced recovery?.....	<u>X</u>	<u> </u>
Disposal?.....	<u> </u>	<u>X</u>
Storage?.....	<u> </u>	<u>X</u>
Is this application for a new well to be drilled?.....	<u> </u>	<u>X</u>
Has a casing test been performed for an existing well?.....	<u> </u>	<u>X</u>
(If yes, date of test: <u> </u>)		

Injection interval: from 5356 to 5500

Maximum injection: rate 500 BWPD pressure 3000 psig

Injection zone contains X oil, X gas or fresh water within 1/2 mile.

Additional information as required by Rule 502 should accompany this form.

I hereby certify that the foregoing is true and correct to the best of my knowledge:

Signed: D.C. Gill Original Signed By: D.C. GILL Title: Area Manager Date: 8/13/86

(This space for DOGM approval)

Approved by: Title: Date:

LOCATION: NW1/4 Sec 15 - T41S - R22E
FIELD: GREATER ANF-H San Juan Co, Ut
RESERVOIR: Desert Creek Zone I

W I COMPLETION: Proposed
PRESENT STATUS: Conversion to water injector

RKB 4574.7'
GL 4565.

SURFACE CASING: 8 5/8" 28#

Well #: 13W13

PRODUCTION CASING: 5 1/2" 14#

1245'

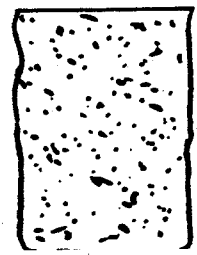
PERFORATIONS: _____
open hole 5356 - 5439

PACKER: Baker Model AB
Tension Type Pkr or Similar
Set at approx. 5256'

Logs on file: _____
Gamma Ray
SP
Neutron Porosity
Electrical Resistivity

5356'

PBTD: 5439.
OTD: 5500'



Phillips Petroleum Company



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 11, 1986

Newspaper Agency Corporation
Legal Advertising
143 South Main - Mezzanine Floor
Salt Lake City, Utah 84110

Gentlemen:

RE: Cause No. UIC-087

Enclosed is a Notice of Application of Administrative Approval before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 24th day of September, 1986. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Marjorie L. Anderson
for
Marjorie L. Anderson
Administrative Assistant

mfp

Enclosure



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 11, 1986

San Juan Record
P.O. Box 879
937 East Highway 666
Monticello, Utah 84535

Gentlemen:

RE: Cause No. UIC-087

Enclosed is a Notice of Application of Administrative Approval before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 24th day of September, 1986. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Marjorie L. Anderson
for
Marjorie L. Anderson
Administrative Assistant

mfp

Enclosure

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---00000---

IN THE MATTER OF THE APPLICATION :
OF PHILLIPS PETROLEUM COMPANY, :
FOR ADMINISTRATIVE APPROVAL TO :
INJECT FLUID INTO WELLS TO BE :
CONVERTED TO ENHANCED RECOVERY :
INJECTION WELLS LOCATED IN :
SECTIONS 11, 12, AND 13, TOWN- :
SHIP 41 SOUTH, RANGE 23 EAST; AND :
SECTIONS 8, 17 AND 18, TOWNSHIP :
41 SOUTH, RANGE 24 EAST, S.L.M., :
SAN JUAN COUNTY, UTAH :

CAUSE NO. UIC-087

---00000---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that Phillips Petroleum Company, Box 2920,
Casper, Wyoming 82602, has requested administrative approval from the
Division to convert the following listed wells to enhanced recovery
water injection wells:

RATHERFORD UNIT - San Juan County, Utah

#11W42, Sec. 11, T41S, R23E	#13W22, Sec. 13, T41S, R23E
#12W11, Sec. 12, T41S, R23E	#13W33, Sec. 13, T41S, R23E
#12W24, Sec. 12, T41S, R23E	# 8W34, Sec. 8, T41S, R24E
#12W33, Sec. 12, T41S, R23E	#17W32, Sec. 17, T41S, R24E
#13W11, Sec. 13, T41S, R23E	#18W12, Sec. 18, T41S, R24E
#13W13, Sec. 13, T41S, R23E	

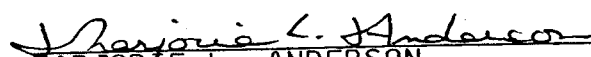
The proposed operating data for the wells is as follows:

INJECTION INTERVAL: Paradox Formation 5303' - 5548'
MAXIMUM ESTIMATED SURFACE PRESSURE: 3000 psig
MAXIMUM ESTIMATED WATER INJECTION RATE: 500 BWPD

Approval of this Application will be granted unless any objections
are filed with the Division of Oil, Gas and Mining within fifteen days
after publication of this Notice. Objections should be mailed to the
Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355
West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah
84180-1203.

DATED this 8th day of September, 1986.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. ANDERSON
Administrative Assistant

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR Phillips Petroleum WELL NUMBER 13-13

SEC. 13 T. 41S R. 23E COUNTY San Juan

API # 43-037-15855

NEW WELL DISPOSAL WELL ENHANCED RECOVERY WELL ✓

- | | | |
|----------------------------------|-------------------|------------------|
| - Plat showing surface ownership | Yes <u> </u> | No <u>✓</u> |
| - Application forms complete | Yes <u>✓</u> | No <u> </u> |
| - Schematic of well bore | Yes <u>✓</u> | No <u> </u> |
| - Adequate geologic information | Yes <u>✓</u> | No <u> </u> |
| - Rate and Pressure information | Yes <u>✓</u> | No <u> </u> |
| - Fluid source | Yes <u>✓</u> | No <u> </u> |
| - Analysis of formation fluid | Yes <u>✓</u> | No <u> </u> |
| - Analysis of injection fluid | Yes <u>✓</u> | No <u> </u> |
| - USDW information | Yes <u>✓</u> | No <u> </u> |
| - Mechanical integrity test | Yes <u> </u> | No <u>✓</u> |

Number of wells in 1/2 mile reviews: PA 1 Prod. 9 Inj. 4

Comments: Open hole Completion

500 BWPD, 3000 PSI

8 5/8" Surface, 5 1/2" Production

* Info submitted in Feb. 1986

Reviewed by Dorothy Swindell 8/20/86

Operator

Phillips Petroleum

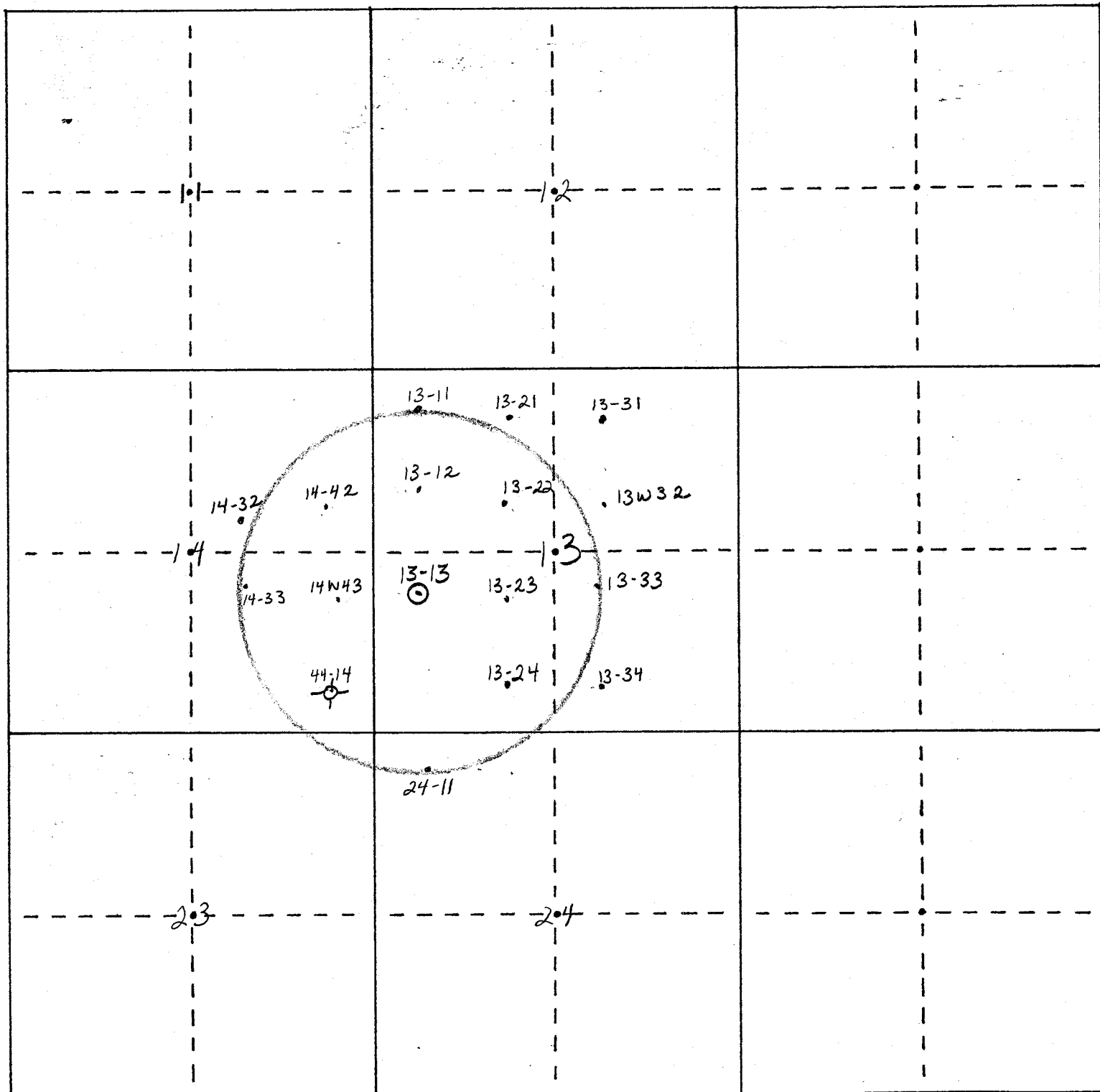
Well

Rutherford Unit 13-13

Location

1980 FSL, 4620 FEL

Sec. 13, T41S, R23E





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

101703

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 9, 1986

Phillips Petroleum Company
P.O. Box 2920
Casper, Wyoming 82602

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-087

Insofar as this Division is concerned, administrative approval is hereby granted to convert the following wells to Class II enhanced recovery water injection wells:

RATHERFORD UNIT - San Juan County, Utah

#11W42, Sec. 11, T41S, R23E	#13W22, Sec. 13, T41S, R23E
#12W11, Sec. 12, T41S, R23E	#13W33, Sec. 13, T41S, R23E
#12W24, Sec. 12, T41S, R23E	# 8W34, Sec. 8, T41S, R24E
#12W33, Sec. 12, T41S, R23E	#17W32, Sec. 17, T41S, R24E
#13W11, Sec. 13, T41S, R23E	#18W12, Sec. 18, T41S, R24E
#13W13, Sec. 13, T41S, R23S	

This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the wells as outlined in the application submitted.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best regards,

Dianne R. Nielson
Dianne R. Nielson
Director

mfp
7627U

Affidavit of Publication

RECEIVED
OCT 01 1986

STATE OF UTAH,
County of Salt Lake

SS.

DIVISION OF
OIL, GAS & MINING

.....CHRIS. ANDERSON.....

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
CAUSE NO. UIC-087
IN THE MATTER OF THE APPLICATION OF PHILLIPS PETRO-
LEUM COMPANY, FOR THE ADMINISTRATIVE APPROVAL
TO INJECT FLUID INTO WELLS TO BE CONVERTED TO EN-
HANCED RECOVERY INJECTION WELLS LOCATED IN SEC-
TIONS 11, 12, AND 13, TOWNSHIP 41 SOUTH, RANGE 23 EAST;
AND SECTIONS 8, 17 AND 18, TOWNSHIP 41 SOUTH, RANGE 24
EAST, S.L.M., SAN JUAN COUNTY, UTAH.
THE STATE OF UTAH TO ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MATTER.
Notice is hereby given that Phillips Petroleum Company,
Box 2920, Casper, Wyoming 82602, has requested administra-
tive approval from the Division to convert the following listed
wells to enhanced recovery water injection wells:
#11W42, Sec. 11, T41S, R23E #13W22, Sec. 13, T41S, R23E
#12W11, Sec. 12, T41S, R23E #13W33, Sec. 13, T41S, R23E
#12W24, Sec. 12, T41S, R23E #8W34, Sec. 8, T41S, R24E
#12W33, Sec. 12, T41S, R23E #17W32, Sec. 17, T41S, R24E
#13W11, Sec. 13, T41S, R23E #18W12, Sec. 18, T41S, R24E
#13W13, Sec. 13, T41S, R23E
The proposed operating data for the wells is as follows:
Injection Interval: Paradox Formation 5303'-5548'
Maximum Estimated Surface Pressure: 3000 psig
Maximum Estimated Water Injection Rate: 500 BWPD
Approval of this Application will be granted unless any ob-
jections are filed with the Division of Oil, Gas and Mining within
fifteen days after publication of this Notice. Objections should be
mailed to the Division of Oil, Gas and Mining, Attention: UIC
Program Manager, 355 West North Temple, 3 Triad Center,
Suite 350, Salt Lake City, Utah 84180-1203.
DATED this 8th day of September, 1986.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
MARJORIE L. ANDERSON
Administrative Assistant
A-75

Being first duly sworn, deposes and says that he/she is
legal advertising clerk of THE SALT LAKE TRIBUNE,
a daily newspaper printed in the English language with
general circulation in Utah, and published in Salt Lake
City, Salt Lake County, in the State of Utah, and of the
DESERET NEWS, a daily newspaper printed in the
English language with general circulation in Utah, and
published in Salt Lake City, Salt Lake County, in the
State of Utah.

That the legal notice of which a copy is attached hereto

CAUSE #UIC-087

was published in said newspaper on.....

SEPT 18, 1986

Legal Advertising Clerk

Subscribed and sworn to before me this 30th day of

SEPTEMBER

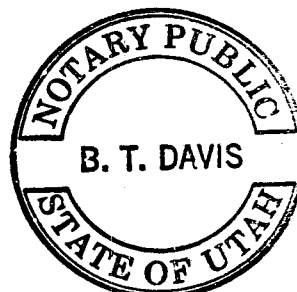
A.D. 19 86

B. J. Davis

Notary Public

My Commission Expires

MARCH 01, 1988



NO. UIC-037

IN THE MATTER OF THE APPLICATION OF
PHILLIPS PETROLEUM COMPANY, FOR
ADMINISTRATIVE APPROVAL TO INJECT
FLUID INTO WELLS TO BE CONVERTED TO
ENHANCED RECOVERY INJECTION WELLS
LOCATED IN SECTIONS 11, 12, AND 13,
TOWNSHIP 41 SOUTH, RANGE 23 EAST;
AND SECTIONS 8, 17 AND 18, TOWNSHIP 41
SOUTH, RANGE 24 EAST, S.L.M., SAN JUAN
COUNTY, UTAH

★ ★ ★ ★
CAUSE NO. UIC-037

THE STATE OF UTAH TO ALL
INTERESTED PARTIES IN THE ABOVE
ENTITLED MATTER.

Notice is hereby given that Phillips
Petroleum Company, Box 2920, Casper,
Wyoming 82602, has requested admini-
strative approval from the Division to
convert the following listed wells to
enhanced recovery water injection wells:

RATHERFORD UNIT —
San Juan County, Utah
#11W42, Sec. 11, T41S, R23E
#12W11, Sec. 12, T41S, R23E
#12W24, Sec. 12, T41S, R23E
#12W33, Sec. 12, T41S, R23E
#13W11, Sec. 13, T41S, R23E
#13W13, Sec. 13, T41S, R23E
#13W22, Sec. 13, T41S, R23E
#13W33, Sec. 13, T41S, R23E
8W34, Sec. 8, T41S, R24E
#17W32, Sec. 17, T41S, R24E
#18W12, Sec. 18, T41S, R24E

The proposed operating data for the wells
is as follows:

INJECTION INTERVAL: Paradox Form-
ation 5303' - 5548'

MAXIMUM ESTIMATED SURFACE
PRESSURE: 3000 psig.

MAXIMUM ESTIMATED WATER INJE-
CTION RATE: 500 BWPD.

Approval of this Application will be
granted unless any objections are filed with
the Division of Oil, Gas and Mining within
fifteen days after publication of this Notice.
Objections should be mailed to the Division
of Oil, Gas and Mining, Attention: UIC
Program Manager, 355 West North Temple, 3
Triad Center, Suite 350, Salt Lake City, Utah
84100-1203.

DATED this 8th day of September, 1986.

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

s/MARJORIE L. ANDERSON

Administrative Assistant

Published in The San Juan Record
September 24, 1986.

a copy of which is hereunto attached, was published in the regular and entire issue

of each number of said newspaper for a period of one issues, the

first publication having been made on September 24, 1986. ~~and the~~

last publication having been made on _____.

Joyce A. Markes
Publisher

Subscribed and sworn to before me this 24th day of September

A.D. 1986

Ingine K. Adams
Notary Public residing at Monticello, Utah

My commission expires December 2, 1987

Publication was sent to the following:

Phillips Petroleum Company
Box 2920
Casper, Wyoming 82602

San Juan Record
PO Box 879
937 East Highway 666
Monticello, Utah 84535

Newspaper Agency
Legal Advertising
Mezzanine Floor
143 South Main
Salt Lake City, Utah 84110

Utah State Department of Health
Water Pollution Control
Attn: Loren Morton
4241 State Office Building
Salt Lake City, Utah 84114

U.S. Environmental Protection Agency
Suite 1300
Attn: Mike Strieby
999 18th Street
Denver, Colorado 80202-2413

Bureau of Land Management
Consolidated Financial Center
324 South State Street
Salt Lake City, Utah 84111-2303

Bureau of Land Management
Fluid Minerals Caller Service #4104
Farmington, New Mexico 87499

Navajo Tribe
Department of Water Management
PO Box 308
Window Rock Arizona 86515
Attn: Masued Uz Zaman

Mobil Oil Corporation
PO Box 5444
Denver, Colorado 80217

Texaco, Inc.
PO Box 3360
Casper, Wyoming 82602
Attn: A.J. Sanford

Sept. 11, 1986
Marlayne Loulsen

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT ASSIGNMENT NAME SW-I-4192	
2. NAME OF OPERATOR Phillips Petroleum Company		8. FARM OR LEASE NAME Ratherford Unit	
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		9. WELL NO. 13-13	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL, 4620' FEL (NW SW)		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
11. SEC., T., R., M., OR BLK. AND SUBST OR AREA Sec. 13-T41S-R23E		12. COUNTY OR PARISH San Juan	
13. ELEVATIONS (Show whether OF, ST, OR, etc.) 4574' RKB		14. STATE Utah	
14. PERMIT NO. 43-037-15851			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		
(Other) Converted to Water Injection <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to convert Ratherford Unit #13-13, an open hole completion, from a Zone I & II producing well to a Zone I water injection well. After plugging back to Zone I, the well will be acidized with approximately 8100 gallons of 28% HCl Acid and placed on injection.

A 10' x 8' x 6' fenced pit will be constructed on location in a previously disturbed area. Upon completion of the workover, the pit will be dried and recovered.

5-BLM, Farmington, NM
2-Utah O&G CC, Salt Lake City, Utah
1-P. J. Adamson
1-M. Williams, 302 TRW
1-J. R. Reno
1-B. J. Murphy
1-File RC

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12/1/86
BY: [Signature]
Approved letter 10/4/86

RECEIVED
NOV 21 1986
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Area Manager DATE November 17, 1986
D. C. Gill
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Commencement

MONTHLY REPORT OF ENHANCED RECOVERY PROJECT - PART 2 Page 2

MONTHLY MONITORING OF INJECTION WELLS

Well Name	Ini. Press.	Ini. Rate	Annulus Press.	Monthly Ini. Vol.
9W23 43-D37-16398	0	303		9390
9W41 43-D37-16398	SI	SI		SI
9W43 43-D37-16400	SI	SI		SI
10W21 43-D37-16401	SI	SI		SI
10W23 43-D37-16402	1450	218		6757
10W43 43-D37-16403	2225	19		588
11W44 43-D37-15842	2275	261		8089
12W13 43-D37-16404	2275	128		3967
12W22 43-D37-15845	450	766		23738
12W24 43-D37-31151	0	324		10040
12W31 43-D37-15847	0	462		14,317
12W33 43-D37-15848	350	605		18,748
12W42 43-D37-15850	1850	598		18,532
12W44 43-D37-16405	SI	SI		SI
13W11 43-D37-31152	0	443		13,728
3-10-87 ✓ 13W13 43-D37-15851	0	396		8711
13W22 43-D37-15852	0	293		9080
13W24 43-D37-15853	0	68		2106
✓ 13W33 43-D37-15855	600	384		7678
13W42 43-D37-15857	2100	430		13,326
13W44 43-D37-16407	2200	377		11,684
14W42 43-D37-15860	0	386		11,963

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Ratherford Unit ✓
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME
14. PERMIT NO. See Attached		9. WELL NO.
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A
		11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA See Attached
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

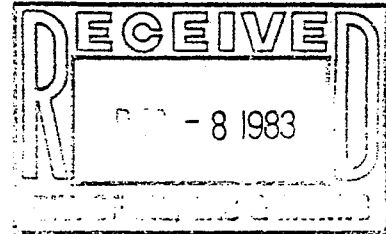
(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.



Org. & 3-BLM

1-The Navajo Nation
1-Mary Wiley Black
1-Lawrence E. Brock
1-Chevron USA
1-Ralph Fixel
1-Royal Hogan
1-W. O. Keller
1-Dee Kelly Corp.

1-Robert Klabzuba
1-Micheal J. Moncrief
1-Richard B. Moncrief
1-Lee W. Moncrief
1-Mary H. Morgan
1-W. A. Moncrief
1-W. A. Moncrief, Jr.
1-L. F. Peterson

1-Shell Oil Co.
1-Southland Royalty Co.
1-Superior Oil Co.
1-Leroy Shave
1-Texaco, Inc.
1-Wade Wiley, Jr.
1-Edwin W. Word, Jr.
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED A. E. Stuart TITLE Area Manager

DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

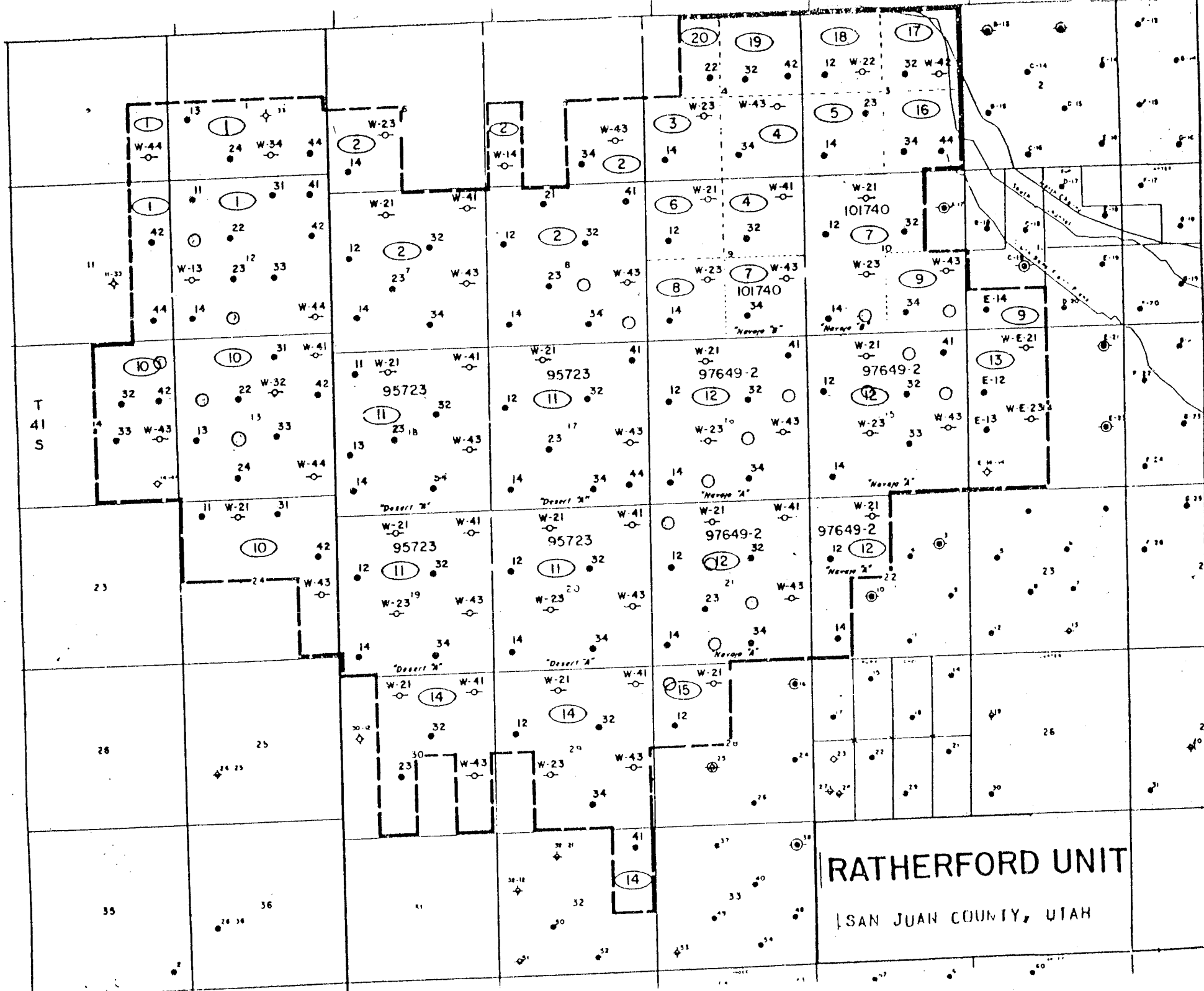
*See Instructions on Reverse Side

<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
29-34	SW SE Sec.29-T41S-R24E	43-037-15340	Act.
30-23	NE SW Sec.30-T41S-R24E	43-037-15341	SI
30-32	SW NE Sec.30-T41S-R24E	43-037-15342	SI
32-41	NE NE Sec.32-T41S-R24E	43-037-15344	SI
1-13	NW SW Sec.1-T41S-R24E	43-037-15838	Act.
1-24	SE SW Sec.1-T41S-R24E	43-037-15839	Act.
1-44	SE SE Sec.1-T41S-R24E	43-037-15840	Act.
6-14	SW SW Sec.6-T41S-R24E	43-037-15894	Act.
7-12	SW NW Sec.7-T41S-R24E	43-037-15985	SI
7-14	SW SW Sec.7-T41S-R24E	43-037-15986	SI
7-23	NE SW Sec.7-T41S-R24E	43-037-15987	SI
7-32	SW NE Sec.7-T41S-R24E	43-037-15988	SI
7-34	SW SE Sec.7-T41S-R24E	43-037-15989	Act.
11-42	SE NE Sec.11-T41S-R23E	43-037-15841	Act.
11-44	SE SE Sec.11-T41S-R23E	43-037-15842	Act.
12-11	NW NW Sec.12-T41S-R23E	43-037-15843	Act.
12-14	SW SW Sec.12-T41S-R23E	43-037-15844	Act.
12-22	SE NW Sec.12-T41S-R23E	43-037-15845	Act.
12-23	NE SW Sec.12-T41S-R23E	43-037-15846	Act.
12-31	NW NE Sec.12-T41S-R23E	43-037-15847	Act.
12-33	NW SE Sec.12-T41S-R23E	43-037-15848	Act.
12-41	NE NE Sec.12-T41S-R23E	43-037-15849	Act.
12-42	SE NE Sec.12-T41S-R23E	43-037-15850	Act.
13-13	NW SW Sec.13-T41S-R23E	43-037-15851	Act.
13-22	SE NW Sec.13-T41S-R23E	43-037-15852	Act.
13-24	SE SW Sec.13-T41S-R23E	43-037-15853	Act.
13-31	NW NE Sec.13-T41S-R23E	43-037-15854	Act.
13-33	NW SE Sec.13-T41S-R23E	43-037-15855	Act.
13-42	SE NE Sec.13-T41S-R23E	43-037-15857	Act.
14-32	SW NE Sec.14-T41S-R23E	43-037-15858	Act.
14-33	NW SE Sec.14-T41S-R23E	43-037-15859	SI
14-42	SE NE Sec.14-T41S-R23E	43-037-15860	Act.
24-11	NW NW Sec.24-T41S-R23E	43-037-15861	SI
24-31	NW NE Sec.24-T41S-R23E	43-037-15862	Act.
E11-14	SW SW Sec.11-T41S-R24E	43-037-16167	Act.
3-12	SW NW Sec.3-T41S-R24E	43-037-15620	Act.
3-14	SW SW Sec.3-T41S-R24E	43-037-15124	Act.
3-23	NE SW Sec.3-T41S-R24E	43-037-15125	SI
3-32	SW NE Sec.3-T41S-R24E	43-037-15621	SI
3-44	SE SE Sec.3-T41S-R24E	43-037-15031	Act.
4-14	SW SW Sec.4-T41S-R24E	43-037-16163	Act.
4-22	SE NW Sec.4-T41S-R24E	43-037-15622	SI
4-32	SW NE Sec.4-T41S-R24E	43-037-15623	SI
4-34	SW SE Sec.4-T41S-R24E	43-037-16164	Act.
4-42	SE NE Sec.4-T41S-R24E	43-037-15624	SI
5-34	SW SE Sec.5-T41S-R24E	43-037-15983	SI
8-12	SW NW Sec.8-T41S-R24E	43-037-15991	Act.
8-14	SW SW Sec.8-T41S-R24E	43-037-15992	Act.
8-21	NE NW Sec.8-T41S-R24E	43-037-15993	Act.
8-23	NE SW Sec.8-T41S-R24E	43-037-15994	Act.
8-32	SW NE Sec.8-T41S-R24E	43-037-15995	SI

6. UNIT OPERATOR (Well operator)

Phillips Petroleum Company is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties of Unit Operator for the development and production of Unitized Substances as herein provided.

Taken from the Ratherford Unit Agreement.
Operator Name Change.



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF

Phillips Petroleum Company

CAUSE NO. C-3 (B)

ADDRESS P. O. Box 2920

Casper, WY ZIP 82602

INDIVIDUAL PARTNERSHIP ☒ CORPORATION

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE 13W31 WELL

SEC. 13 TWP. 41N RANGE 23 E
San Juan COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐
LP GAS STORAGE ☐
EXISTING WELL (RULE I-4) ☐

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Ratherford Unit</u>	Well No. <u>13W31</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>13W31</u> Sec. <u>13</u> Twp. <u>41N</u> Rge. <u>23</u> E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date <u> </u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Desert Creek Paradox I & II/ San Juan River</u>		Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5138) San Juan River (Surface)</u>	
Geologic Name of Injection Zone <u>Desert Creek Zone I</u>		Depth of Injection Interval <u>5458</u> to <u>5492</u>	
a. Top of the Perforated Interval: <u>3438</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3888</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> See previously submitted material, attachment #4			
Lithology of Intervening Zones <u>See previously submitted material, attachment #1</u>			
Injection Rates and Pressures Maximum <u>500</u> B/D Not to exceed approximately <u>3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Navajo Tribe, Minerals Dept., P. O. Box 146, Window Rock, AZ 86515</u> <u>Mobil Oil Corp. Attn; Joint Interest Advisor P. O. Box 5444 Denver, CO 80217</u> <u>Texaco Inc., P. O. Box 2100, Denver, CO 80201</u>			

State of Wyoming

Phillips Petroleum Company

County of Natrona

Applicant

Before me, the undersigned authority, on this day personally appeared D. C. Gill known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this 4th day of April, 19 86

Donald L. Hudson

Notary Public in and for Natrona Co., Wyoming

My Commission Expires Nov. 3, 1986

(OVER)

INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface 24#	8 5/8	1195	540 SX	Surface	Returns
Intermediate	none	—			
Production 14#	5 1/2	5586	200 SX	4952	Calculated
Tubing	2-3/8 or 2-7/8		Name - Type - Depth of Tubing Packer Baker type AB Tension Pkr or Similar (5338)		
PB Total Depth 5514	Geologic Name - Inj. Zone Desert Creek Zone 1	Depth - Top of Inj. Interval 5438	Depth - Base of Inj. Interval 5492		

LOCATION: NW 1/4 Sec 15
FIELD: GREATER ANETH
RESERVOIR: Desert Creek Zone I

WI COMPLETION: Injector
PRESENT STATUS: Conversion

RKB 4669.4'
GL 4658.1'

SURFACE CASING: 8 5/8" 24#
J-55

Well #: 13W31

PRODUCTION CASING: 5 1/2" 14#
J-55

PERFORATIONS: _____
5438-61
5472-77
5484-92

PACKER: Baker AB Type
Pkr set @ 5338'
or similar

PBTD: 5514
OTD: 5599

5586

Phillips Petroleum Company

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injector		4. LEASE DESIGNATION AND SERIAL NO. 14-20-603- 247A	
2. NAME OF OPERATOR Phillips Petroleum Company		5. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO	
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, WY 82602		7. UNIT ASSIGNMENT NAME SW-I-4192	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL, 4620' FEL NW SW API# 43-037-15851		8. FARM OR LEASE NAME Ratherford Unit	
14. PERMIT NO.		9. WELL NO. 13W13	
15. ELEVATIONS (Show whether SP, ST, CR, etc.) 4574' RKB		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
		11. SEC., T., R., E., OR S.E. AND SURVEY OR AREA Sec. 13-T41S-R23E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Convert to water injection

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Feb. 18, 1987 through March 6, 1987

RU 2/25/87. COOH w/rods and tbg. Clean out hole to 5579'. Set cmt plug across Zone II. TOC at 5445'. GIH to dress off cmt plug. Dress off cmt plug to 5485'. Drld 4' of hard cmt, dropped thru bridge to 5558'. Dumped 100# hydromite, top of hydromite at 5469'. Set 5-1/2" CIBP at 5402'. Sqzd Ismay perfs 5361-91' w/200 sx class B cmt. Tested sqz to 1000 psi, OK. Drld up CIBP and drld hard cmt to 5469' PBD. Perfd Zone I 5413-30', 5432-34', and 5438-42', 4 SPF. Acidized Zone I w/3900 gal 28% HCL. Ran 2-7/8" Duoline tbg and wtr injection pkr. Set pkr at 5402'. RR 3/11/87. HU to injection 3/12/87.

Production Before 24 BOPD 89 BWPD
Injection After 384 BWPD @ 600 psi

RECEIVED

AUG 4 1987

DIVISION OF OIL
GAS & MINING

4-BLM, Farmington, NM 1-Chieftain
2-Utah O&G CC, SLC, UT 1-Mobil Oil
1-M. Williams, B'Ville 1-Texaco, Inc.
1-J. Landrum, Denver 1-Chevron USA
1-J. Reno, Cortez 1-File RC

18. I hereby certify that the foregoing is true and correct

SIGNED

D. C. Gill
D. C. Gill

TITLE Area Manager

DATE

7/27/87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WATER INJECTION & WATER SUPPLY WELLS		5. LEASE DESIGNATION AND SERIAL NO. SW-I-4192
2. NAME OF OPERATOR PHILLIPS PETROLEUM COMPANY		7. UNIT AGREEMENT NAME RATHERFORD UNIT #7960041920
3. ADDRESS OF OPERATOR 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING 82601		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>SEE ATTACHED</u>		9. WELL NO. VARIOUS (see attached)
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT GREATER ANETH
15. ELEVATIONS (Show whether OF, BT, GM, etc.) OIL, GAS & MINING		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Sections 1 thru 30 T41S - R23E & 24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) CHANGE OF OWNERSHIP <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985.

(former Operator - Phillips Oil Company)

3 - BLM, Farmington, NM
2 - Utah O&G CC, SLC, UT
1 - File

41-23-13 037-15851
18. I hereby certify that the foregoing is true and correct

SIGNED S. H. Oden TITLE District Superintendent DATE March 17, 1989
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DOWNHOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 13W13

Location NW SW Sec. 13
T41S-R23E

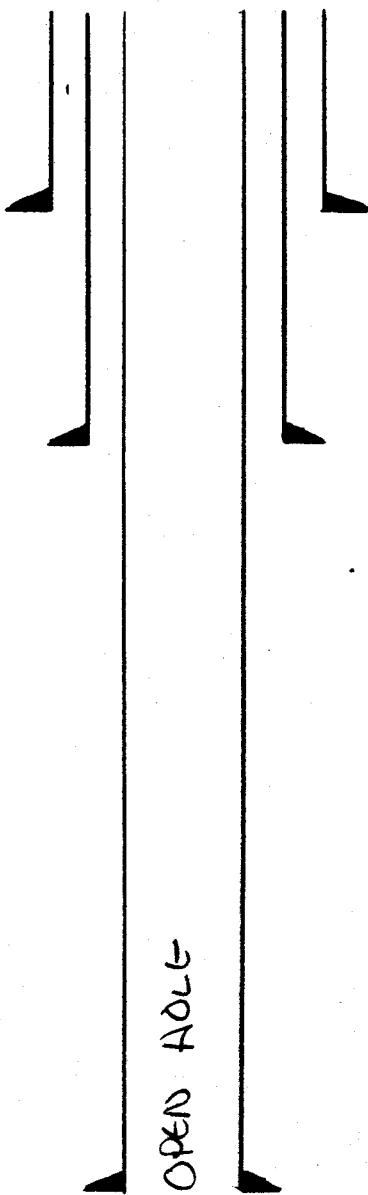
RKB Elev. 4575'

Well Drld 4/4/58

GL Elev. 4565'

Well converted
to injector 3/6/87

RKB Above GL' 10'



CONDUCTOR Csg. @ '

SURFACE Csg. 8 5/8 @ 1284'

TOC 3994' calc.

Tubing 2 7/8 @ 5272'

PACKER Otis Inter-lock PKR.
Ni Coated @ 5272

PERFS	<u>5356 - 5420</u>	<u>_____</u>	<u>_____</u>
	<u>_____</u>	<u>_____</u>	<u>_____</u>
	<u>_____</u>	<u>_____</u>	<u>_____</u>
	<u>_____</u>	<u>_____</u>	<u>_____</u>

PBTD 5420'

PRODUCTION Csg. 5 1/2 @ 5356'
J-55, 14#

All Perfs Zone I unless noted

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

14-20-603-247

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8. Well Name and No.

Ratherford Unit 13W13

9. API Well No.

43-037-15851

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Water Injector

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec. 13, T41S, R23E
1980' FSL & 4620' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☒
- Altering Casing
-
- ☐
- Other
-
- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Due to the casing condition in this injection well, we will run a 4" casing string from PBTD to surface. The 5-1/2" csg will be perforated at $\pm 1400'$ (100' below 8-5/8" csg shoe & top of Chinle) and cmt circulated to the surface. The 4" csg will be run from 5420' to surface & cemented to surface in two stages. The casing will be pressure tested to 1500 psi. Zone I will be perforated from 5350' to 5406' OA, and stimulated w/acid. The injection packer & tubing will be run & set @ $\pm 5300'$. The MIT will then be performed to 1000 psi for 30 minutes. Mr. Ken Lingo with the EPA will witness cementing, casing pressure test, and MIT.

Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 11-12-92

By: [Signature]

RECEIVED

NOV 09 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title Sr. Drlg. & Prod. Engr.

Date 11-6-92

(This space for Federal or State office use)

Federal Approval of this

Approved by _____
Conditions of approval, if any Action is Necessary _____

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Water Injector

2. Name of Operator
Phillips Petroleum Company

3. Address and Telephone No.
5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 13, T41S, R23E
1980' FSL & 4620' FEL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-247-A

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8. Well Name and No.

Ratherford Unit 13W13

9. API Well No.

43-037-15851

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Dec. 20, 1992 thru Jan. 17, 1993

MIRU Equipment. ND WH & NU BOP. POOH w/2-7/8" tubing. Drill out cement to 5440'. Circulate hole clean. Underream to 6-1/2" 5356'-5415'. Circ. hole clean. Jet West TIH and perf'd w/4 1/2" holes @ 1400'. RIH w/pkr & RBP. Set RBP @ 1498'. Tested to 1000 psi - okay. Set pkr @ 998'. Circ. thru holes @ 1400' @ 3 BPM w/400 psi. Pmp 15 gals sand on top of RBP. Dowell squeezed holes @ 1400' to surface w/165 Sx 65/35 Poz w/6% gel & 2% CaCl2 followed by 100 Sx Cl G w/2% CaCl2. Circ 12 bbls cmt to surface. Shut bradenhead and squeezed to 1100 psi. Squeeze was witnessed by Ken Lingo w/EPA. Drill out cement 1245'-1400'. Pressure test holes to 500 psi. POOH w/pkr & RBP. Ran 4", 11.6#, J55 liner and landed @ 5438'. ND BOP and NU csg head. Install cementing head. Dowell cemented 1st stage w/50 Sx 65/35 Poz w/6% gel, .5% D112 & 2% CaCl2 followed w/35 Sx Cl G with 1/4#/Sk Celloflake & .8% D127, & 2-1/2% CaCl2 @ 3-1/4 BPM. Disp. plug w/61.8 bbls wtr. Bump plug w/1200 psi - okay. Open DV tool @ 4201' w/850 psi. Circ out 12 bbls good cmt. Cmt 2nd stage w/125 Sx 65/35 Poz & 6% gel, .5% D112 & 2% CaCl2 followed w/25 Sx Cl G w/.8% D127 & 2% CaCl2. Disp. plug w/47.8 bbls wtr. Close DV tool w/2600 psi - okay. Circ 6 bbls good cmt to surface. Cement job witnessed by Ken Lingo w/EPA. Drill out float equipment & cmt to 5432'. Circ hole clean. Petro Wireline ran GR-CCL logs. Perf'd w/2 spf (.32" holes) from 5406'-5348'. Set pkr @ 5300' & tested to 1000 psi - okay. Dowell

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title Sr. Drlg. & Prod. Engr. Spec.

Date 2-8-93

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

FEB 12 1993

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Page 1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name API Number Entry Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23 4303713754 06280 41S 24E 21	DSCR	POW	29	1374	883	58
#3-44 4303715031 06280 41S 24E 3	DSCR	POW	30	111	94	2905
#3-14 4303715124 06280 41S 24E 3	DSCR	POW	30	67	23	302
#9-12 4303715126 06280 41S 24E 9	DSCR	POW	30	112	654	17363
#9-14 4303715127 06280 41S 24E 9	DSCR	POW	30	201	315	423
#28-12 4303715336 06280 41S 24E 28	PRDX	POW	29	112	47	2428
#29-12 4303715337 06280 41S 24E 29	PRDX	POW	29	56	0	672
#29-32 4303715339 06280 41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34 4303715340 06280 41S 24E 29	DSCR	POW	29	757	48	0
#30-32 4303715342 06280 41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12 4303715620 06280 41S 24E 3	DSCR	POW	30	268	11	363
#9-34 4303715711 06280 41S 24E 9	DSCR	POW	30	45	46	9800
#10-12 4303715712 06280 41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS				5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the
 Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box
 633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

✓ 12W-44	43-037-16405	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 660 FSL; 660 FEL
✓ 12W-44A	43-037-31543	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 807 FEL; 772 FSL
✓ 13-11W	43-037-31152	14-20-603-247A	SEC. 13, T41S, R23E	NW/NW 500 FNL; 660 FWL
✓ 13-12	43-037-31127	14-20-603-247A	SEC. 13, T41S, R23E	SW/NW 1705 FNL; 640 FWL
✓ 13W-13	43-037-15851	14-20-603-247A	SEC. 13, T41S, R23E	NW/SW 1980 FSL; 4620 FEL
✓ 13-14	43-037-31589	14-20-603-247A	SEC. 13, T41S, R23E	660 FSL; 660 FWL
✓ 13-21	43-037-31128	14-20-603-247A	SEC. 13, T41S, R23E	NE/NW 660 FNL; 1920 FWL
✓ 13W-22	43-037-15852	14-20-603-247A	SEC. 13, T41S, R23E	SE/NW 1988 FNL; 3300 FEL
✓ 13-23	43-037-31129	14-20-603-247A	SEC. 13, T41S, R23E	NE/SW 1980 FSL; 1930 FWL
✓ 13W-44	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	660 FSL; 3300 FEL
✓ 13W-32	43-037-16406	14-20-603-247A	SEC. 13, T41S, R23E	1881 FNL; 1979 FEL
✓ 13W-33	43-037-15855	14-20-603-247A	SEC. 13, T41S, R23E	NW/SE 1970 FSL; 1979 FEL
✓ 13W-34	43-037-31130	14-20-603-247A	SEC. 13, T41S, R23E	SW/SE 660 FSL; 1980 FEL
✓ 13-41	43-037-15856	14-20-603-247A	SEC. 13, T41S, R23E	NE/NE 660 FNL; 660 FEL
✓ 13W-42	43-037-15857	14-20-603-247A	SEC. 13, T41S, R23E	SE/NE 2139; 585 FEL
✓ 13-43	43-037-31131	14-20-603-247A	SEC. 13, T41S, R23E	NE/SE 1700 FSL; 960 FEL
✓ 13W-44	43-037-16407	14-20-603-247A	SEC. 13, T41S, R23E	SE/SE 635 FSL; 659 FEL
✓ 14-03	NA	14-20-603-4037	SEC. 11, T41S, R23E	SW/SW 660 FSL; 660 FEL
✓ 14-32	43-037-15858	14-20-603-247A	SEC. 14, T41S, R23E	2130 FNL; 1830 FEL
✓ 14-41	43-037-31623	14-20-603-247A	SEC. 14, T41S, R23E	NE/NE 521 FEL; 810 FNL
✓ 14W-42	43-037-15860	14-20-603-247A	SEC. 14, T41S, R23E	SE/NE 1976 FNL; 653 FEL
✓ 14W-43	43-037-16410	14-20-603-247A	SEC. 14, T41S, R23E	3300 FSL; 4770 FEL
✓ 14-33	43-037-15859	14-20-603-247	SEC. 14, T41S, R23E	2130 FSL; 1830 FEL
✓ 15-12	43-037-15715	14-20-603-355	SEC. 15, T41S, R24E	1820 FNL; 500 FWL
✓ 15W-21	43-037-16411	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 1820 FWL
✓ 15-22	43-037-30449	14-20-603-355	SEC. 15, T41S, R24E	SE/NW, 1980 FNL; 2050 FWL
✓ 15-32	43-037-15717	14-20-603-355A	SEC. 15, T41S, R24E	1980 FNL; 1980 FEL
✓ 15-33	43-037-15718	14-20-603-355	SEC. 15, T41S, R24E	NW/SE 1650 FSL; 1980 FEL
✓ 15-41	43-037-15719	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 660' FEL
✓ 15-42	43-037-30448	14-20-603-355	SEC. 15, T41S, R24E	SE/NE 2020 FNL; 820 FEL
✓ 16W-12	43-037-15720	14-20-603-355	SEC. 16, T41S, R24E	SW/NW 1880 FNL; 660 FWL
✓ 16-13	43-037-31168	14-20-603-355	SEC. 16, T41S, R24E	1980 FSL; 660 FWL
✓ 16W-14	43-037-15721	14-20-603-355	SEC. 16, T41S, R24E	SW/SW 660 FSL; 660 FWL
✓ 16W-21	43-037-16414	14-20-603-355	SEC. 16, T41S, R24E	NE/NW 660 FNL; 1880 FWL
✓ 16W-23	43-037-15722	14-20-603-355	SEC. 16, T41S, R24E	NE/SW 1980 FSL; 1980 FWL
✓ 16-32	43-037-15723	14-20-603-355	SEC. 16, T41S, R24E	1980 FNL; 1980' FEL
✓ 16-34	43-037-15724	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 1980' FEL
✓ 16-41	43-037-15725	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 660 FEL
✓ 16W-43	43-037-16415	14-20-603-355	SEC. 16, T41S, R24E	NE/SE 2140 FSL; 820 FEL
✓ 17-11	43-037-31169	14-20-603-353	SEC. 17, T41S, R24E	NW/NW 1075' FNL; 800' FWL
✓ 17W-12	43-037-15726	14-20-603-353	SEC. 17, T41S, R24E	SW/NW 1980' FNL; 510' FWL
✓ 17-13	43-037-31133	14-20-603-353	SEC. 17, T41S, R24E	NW/SW 2100' FSL; 660' FWL
✓ 17W-14	43-037-15727	14-20-603-353	SEC. 17, T41S, R24E	SW/SW 660' FSL; 660' FWL
✓ 17W-21	43-037-16416	14-20-603-353	SEC. 17, T41S, R24E	510' FNL; 1830' FWL
✓ 17-22	43-037-31170	14-20-603-353	SEC. 17, T41S, R24E	1980' FNL; 1980' FWL
✓ 17W-23	43-037-15728	14-20-603-353	SEC. 17, T41S, R24E	NE/SW 1980' FWL; 1880' FSL
✓ 17-31	43-037-31178	14-20-603-353	SEC. 17, T41S, R24E	NW/NE 500' FNL; 1980' FEL
✓ 17-32W	43-037-15729	14-20-603-353	SEC. 17, T41S, R24E	SW/NE 1830' FNL; 2030' FEL
✓ 17-33	43-037-31134	14-20-603-353	SEC. 17, T41S, R24E	NW/SE 1980' FSL; 1845' FEL
✓ 17-34W	43-037-15730	14-20-603-353	SEC. 17, T41S, R24E	SW/SE 560' FSL; 1880' FEL
✓ 17W-41	43-037-15731	14-20-603-353	SEC. 17, T41S, R24E	610' FNL; 510' FEL
✓ 17-42	43-037-31177	14-20-603-353	SEC. 17, T41S, R24E	SE/NE 1980; FNL, 660' FEL
✓ 17-44	43-037-15732	14-20-603-353	SEC. 17, T41S, R24E	660 FSL; 660' FEL
✓ 17W-43	43-037-16417	14-20-603-353	SEC. 17, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 18-11	43-037-15733	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 720' FNL; 730' FWL
✓ 18-12W	43-037-31153	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 1980' FNL; 560' FWL
✓ 18W-21	43-037-16418	14-20-603-353	SEC. 18, T41S, R24E	NE/NW 660' FNL; 1882' FWL
✓ 18-22	43-037-31236	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 2200' FNL; 2210' FWL
✓ 18W-23	43-037-30244	14-20-603-353	SEC. 18, T41S, R24E	NE/SW 2385' FSL; 2040' FWL
✓ 18W-14	43-037-15735	14-20-603-353	SEC. 18, T41S, R24E	SW/SW 810' FSL; 600' FWL
✓ 18-24	43-037-31079	14-20-603-353	SEC. 18, T41S, R24E	SE/SW 760' FSL; 1980' FWL
✓ 18-31	43-037-31181	14-20-603-353	SEC. 18, T41S, R24E	NW/NE 795' FNL; 2090; FEL
✓ 18W-32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓ 18-33	43-037-31135	14-20-603-353	SEC. 18, T41S, R24E	NW/SE 1870' FSL; 1980' FEL
✓ 18-34W	43-037-15737	14-20-603-353	SEC. 18, T41S, R24E	SW/SE 780' FSL; 1860 FEL
✓ 18W-41	43-037-15738	14-20-603-353	SEC. 18, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 18-42	43-037-31182	14-20-603-353	SEC. 18, T41S, R24E	SE/NE 2120' FNL; 745' FEL
✓ 18W-43	43-037-16419	14-20-603-353	SEC. 18, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 18-44	43-037-31045	14-20-603-353	SEC. 18, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-11	43-037-31080	14-20-603-353	SEC. 19, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 19-12	43-037-15739	14-20-603-353	SEC. 19, T41S, R24E	600' FWL; 1980' FNL
✓ 19-14	43-037-15740	14-20-603-353	SEC. 19, T41S, R24E	600' FSL; 660' FEL

PA'd

PA'd

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>3. LEASE DESIGNATION & SERIAL NO.</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>6. IF INDIAN ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL</p>
<p>2. NAME OF OPERATOR MOBIL OIL CORPORATION</p>		<p>7. UNIT AGREEMENT NAME RATHERFORD UNIT</p>
<p>3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702</p>		<p>8. FARM OR LEASE NAME</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface</p>		<p>9. WELL NO.</p>
<p>At proposed prod. zone</p>		<p>10. FIELD AND POOL, OR WILDCAT GREATER ANETH</p>
<p>11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA</p>		<p>12. COUNTY SAN JUAN</p>
<p>13. STATE UTAH</p>		<p>14. API NO.</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>		<p>16. COUNTY SAN JUAN</p>
<p>17. STATE UTAH</p>		<p>18. COUNTY SAN JUAN</p>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

APPROX. DATE WORK WILL START _____

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

AS OF JULY 1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT. ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED Shirley Todd

TITLE ENV. & REG TECHNICIAN

DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

See Instructions On Reverse Side

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L B Sheffield

BRIAN BERRY

~~M E P N A~~ MOBILPOB 249031 1807A RENTWY *P.O. DRAWER 6*DALLAS TX 75221-9031 *CORTEZ, Co. 81321*UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 7 / 93AMENDED REPORT ☐ (Highlight Changes)**931006 updated.
Jie*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

COMMENTS:

*PLEASE NOTE ADDRESS change. Robin ~~ASSU~~ PRODUCTION REPORTS
will be compiled and sent from the Cortez, Co. office
IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Name and Signature:

Lwell B Sheffield

Date:

9/5/93

Telephone Number:

*303 865 2212
244 658 2528*

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

FROM: Janice Easley
BLM Farmington, NM
505 599-6355

Here is copy of Rutherford Unit
Successor Operator,

4 pages including this one.

24: Ratherford Unit (GC)

RECEIVED
BLM

Navajo Area Office
P. O. Box 1060
Gallup, New Mexico 87305-1060

JUL 27 AM 11:44

070 FARMINGTON, NM

ARES/543

JUL 28 1993

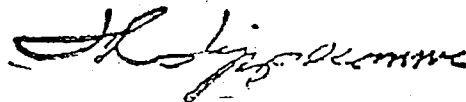
Mr. G. D. Cox
Mobil Exploration and
Producing North America, Inc.
P. O. Box 633
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

RECEIVED	1993
DATE	7/27/93
TIME	11:44 AM
BY	3
FOR	2
ALL SUPV.	
FILED	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

RECEIVED
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. Martiny
Attorney-in-Fact B.D. MARTINY

[Signature]
APPROVED BY

ACTING

AREA DIRECTOR

TITLE

DATE

7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____☐ Suspense
(Return Date) _____
(To - Initials) _____☒ Other
OPERATOR CHANGE

(Location) Sec____Twp____Rng____

(API No.) _____

1. Date of Phone Call: 10-6-93 - Time: 9:302. DOGM Employee (name) L. CORDOVA (Initiated Call ☒
Talked to:Name GLEN COX (Initiated Call ☐ - Phone No. (915) 688-2114of (Company/Organization) MOBIL3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL
OR MOBIL OIL CORPORATION AS PER SUNDY DATED 9-8-93?)

4. Highlights of Conversation: _____

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.MEPNA--PO DRAWER GCORTEZ, CO 81321(303)565-2212*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY
REPORTED OUT OF DALLAS (MCELMO CREEK).

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF
OIL, GAS & MINING

Well name and number: _____

Field or Unit name: RATHERFORD UNIT API no. _____

Well location: QQ _____ section _____ township _____ range _____ county _____

Effective Date of Transfer: July 1, 1993

CURRENT OPERATOR

Transfer approved by:

Name Ed Hasely Company Phillips Petroleum Company

Signature Ed Hasely Address 5525 HWY. 64

Title Environmental Engineer Farmington, NM 87401

Date October 22, 1993 Phone (505) 599-3460

Comments:

NEW OPERATOR

Transfer approved by:

Name Shirley Todd Company Mobil Exploration & Producing North America

Signature Shirley Todd Address P O Box 633

Title Env. & Reg. Technician Midland, TX 79702

Date October 7, 1993 Phone (915) 688-2585

Comments:

(State use only)

Transfer approved by [Signature] Title SEC Manager

Approval Date 10-27-93

Lisha Cordova (801) 538-5340

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF UTAH

APPLICATION OF PHILLIPS PETROLEUM)
 COMPANY FOR THE APPROVAL OF THE)
 UNIT OPERATIONS AND PRESSURE MAIN-) CAUSE NO. 63
 TENANCE PROGRAM FOR THE RATHERFORD)
 UNIT IN THE GREATER ANETH AREA,)
 SAN JUAN COUNTY, UTAH)

ORDER

This Cause came on for hearing before the Oil and Gas Conservation Commission of the State of Utah at 10 o'clock a. m. on Wednesday, September 13, 1961, in the Crystal Room, Hotel Newhouse, Fourth South at Main Street, Salt Lake City, Utah, pursuant to notice duly and regularly given. The entire Commission, except Walter G. Mann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Hamilton, attorney, on behalf of Phillips Petroleum Company; Clair M. Senior, attorney, on behalf of Texaco, Inc.; Gordon Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of United States Geological Survey; and J. R. White, on behalf of Texaco, Inc.

Evidence in support of the application was introduced by Phillips Petroleum Company, the applicant and Unit Operator of the Ratherford Unit, which embraces as the unit area the following described land in San Juan County, State of Utah, to wit:

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SE1/4

Section 1:	All	Sections 12 and 13:	All
Section 2:	E/2	Section 14:	E/2
Section 11:	E/2	Section 24:	All

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SE1/4

Section 3:	SW/4	Sections 15	
Section 4:	S/2	through 21:	All
Sections 5 through 9:	All	Section 22:	NE/4 and E/2 of the SW/4
Section 10:	S/2 and NE/4 and W/2 of NE/4	Section 23:	NE/4 and E/2 of NE/4 and W/2 of SW/4
Section 11:	S/2 of SW/4		
Section 14:	E/2	Section 29 and 30:	All
		Section 31:	E/2
		Section 32:	E/2

R. R. Robison on behalf of Shell Oil Company stated that (as contemplated by paragraph No. 5 of the Commission's order of February 24, 1959, in Cause No. 17 authorizing the drilling of certain test wells) Shell would submit to the Commission, as arbiter, the question as between Shell and Superior Oil Company

of the monetary value, if any, to be attributed to three test wells drilled within the Ratherford Unit area pursuant to said order of February 24, 1959.

No objection to the granting of the application was filed or expressed. The Shell Oil Company, Texaco, Inc. and Continental Oil Company expressed their support of the application of Phillips Petroleum Company.

FINDINGS OF FACT

The Commission finds that:

1. The unitized operation of the Ratherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.

2. The Ratherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.

3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

ORDER

THEREFORE, IT IS ORDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

1. Unit operation of the Ratherford Unit Area under the Ratherford Unit Agreement is approved.

2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes effective and operative.

3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

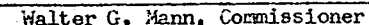
THE OIL AND GAS CONSERVATION
COMMISSION OF THE STATE OF UTAH


Edward W. Clyde, Commissioner presiding


C. R. Henderson, Chairman


M. V. Hatch, Commissioner


C. S. Thomson, Commissioner


Walter G. Mann, Commissioner

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	REC-117-93
2	DES-58-93
3	VLC
4	RJB
5	DE
6	RL

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)

☐ Designation of Agent

☐ Designation of Operator

☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) M E P N A
(address) PO DRAWER G
CORTEZ, CO 81321
GLEN COX (915)688-2114
phone (303) 565-2212
account no. N7370

FROM (former operator) PHILLIPS PETROLEUM COMPANY
(address) 5525 HWY 64 NBU 3004
FARMINGTON, NM 87401
PAT KONKEL
phone (505) 599-3452
account no. N0772(A)

Well(s) (attach additional page if needed):

***RATHERFORD UNIT (NAVAJO)**

Name: **SEE ATTACHED**	API: <u>43-037-15851</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)

Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.

Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)

Sec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)

Sec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)

Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)

Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- Yes 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- Yes 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: 11/17 1993.

FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/BAm Approved 7-9-93.

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-15506	L-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-16358	K-24	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-30400	K-22X	41S	25E	18	INJI	Y
✓MEPNA (MOBIL	43-037-15499	J-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15508	L-25	41S	25E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15839	1W24	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-15838	1W13	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16386	2W44	41S	23E	2	INJW	Y
✓MEPNA (MOBIL	43-037-15842	11W44	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15841	11W42	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15848	12W33	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15850	12W42	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15847	12W31	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-16404	12W13	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15845	12W22	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15843	12W11	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31151	12W24	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31543	RATERFORD 12	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15854	13W31	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15851	13W13	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15857	13W42	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16407	13W44	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15855	13W33	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-31152	13W11	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15852	13W22	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15853	13W24	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16410	14W43	41S	23E	14	INJI	Y
✓MEPNA (MOBIL	43-037-15860	14W43	41S	23E	14	INJW	Y
✓MEPNA (MOBIL	43-037-15863	24W42	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15862	24W31	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15984	6W14	41S	24E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15988	7W32	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15990	7W41	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16394	7W21	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15985	7W12	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15989	7W34	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15986	7W14	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15987	7W23	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16395	7W43	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16396	8W43	41S	24E	8	INJI	Y
✓MEPNA (MOBIL	43-037-15992	8W14	41S	24E	8	INJW	Y
✓MEPNA (MOBIL	43-037-16398	9W23	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16400	9W43	41S	24E	9	INJI	Y
✓MEPNA (MOBIL	43-037-16397	9W21	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16402	10W23	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16401	10W21	41S	24E	10	INJI	Y
✓MEPNA (MOBIL	43-037-16403	10W43	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16413	15W43	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16411	15W21	41S	24E	15	INJW	Y
✓MEPNA (MOBIL	43-037-16412	15W23	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16415	16W43	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15720	16W12	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15721	16W14	41S	24E	16	INJW	Y

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** _____
 (Location) Sec _____ Twp _____ Rng _____
 (API No.) _____

☐ **Suspense**
 (Return Date) _____
 (To - Initials) _____

☒ **Other**
OPER NM CHG _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)
 Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. () _____
 of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.
*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	7-PL
2-LWP	8-SJ
3-DTS	9-FILE
4-VLC	
5-RJF	
6-LWP	

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator **XXX** Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

FROM (former operator) **M E P N A**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-15851</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A / Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ____ 2. A copy of this form has been placed in the new and former operators' bond files.
- ____ 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
DTS 8/5/95
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: October 4 1995.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 LIC F5 / Not necessary!

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other

INJECTOR

2. Name of Operator

Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702

915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL & 4620 FEL
SEC.13, T41S, R23E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD

13-W-13A

9. API Well No.

43-037-15851

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

SHUT IN STATUS

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

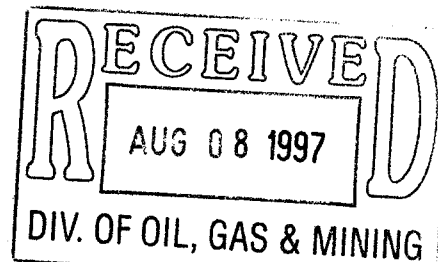
Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MOBIL IS REQUESTING SHUT IN STATUS. WELL IS BEING EVALUATED FOR FUTURE CO2 DEVELOPMENT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY



14. I hereby certify that the foregoing is true and correct

Signed

Shirley Houchins

Title ENV. & REG. TECHNICIAN

Date 08-05-97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 13, T41S, R23E
(NW/SW) 1980' FSL & 4620' FEL

FORM APPROVED

Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 13-W-13

9. API Well No.

43-037-15851

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

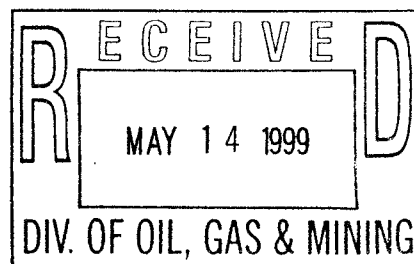
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other MIT CHART
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED CHART.



14. I hereby certify that the foregoing is true and correct

Signed

Shirley Houchins

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 5-11-99

(This space for Federal or State office use)

Approved by

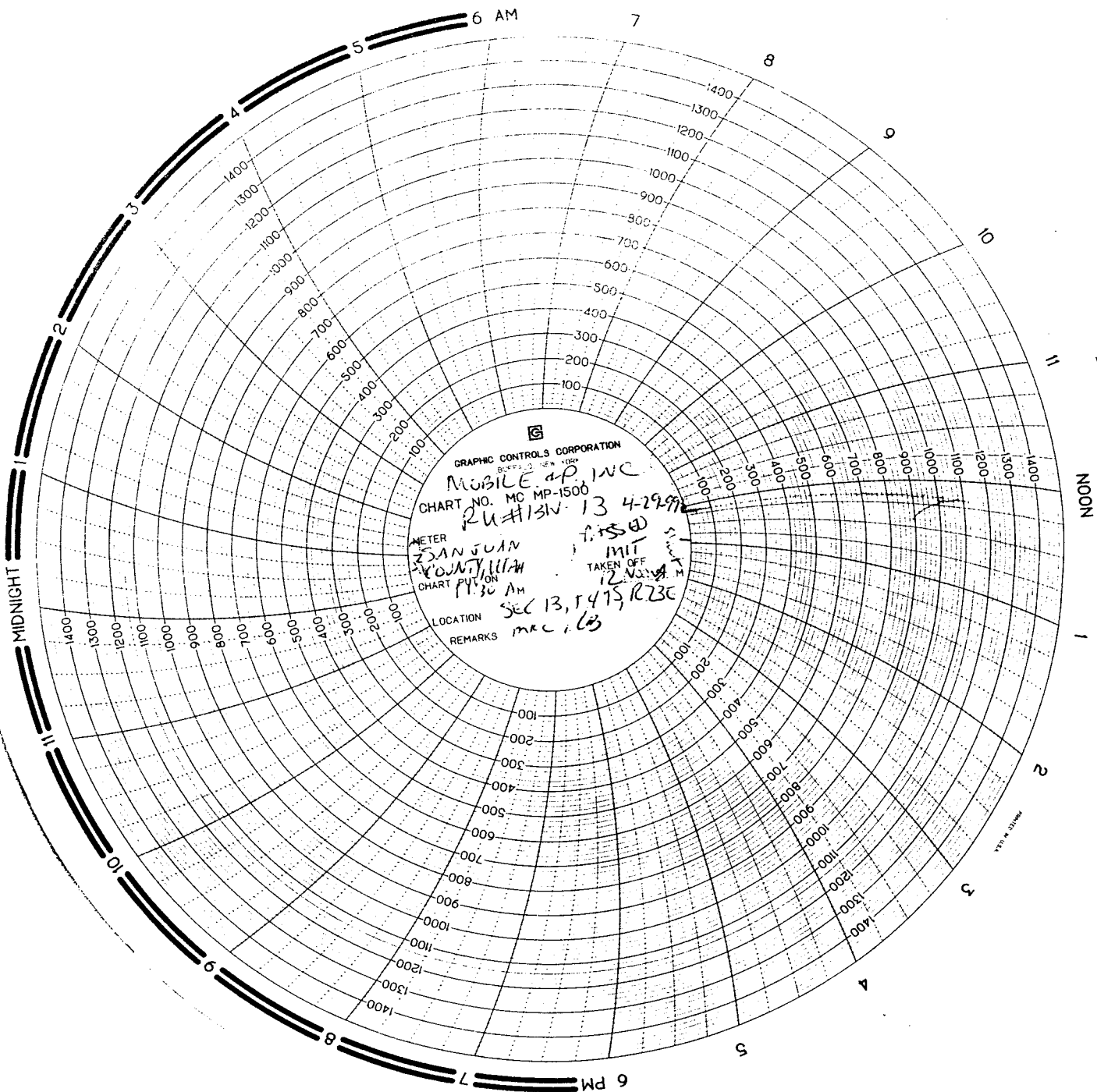
Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

INJECTOR

2. Name of Operator
MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3a. Address
P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)
(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 18, T41S, R24E
NE/SW 2385' FSL & 2040' FWL

FORM APPROVED

Budget Bureau No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 18-W-23

9. API Well No.

43-037-30244

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

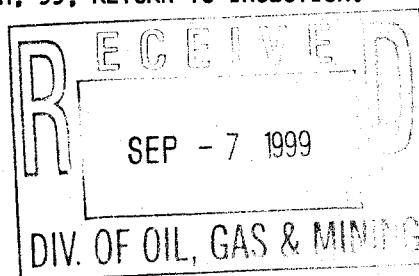
- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>CANCEL</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>INTENT</u> |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

PLEASE CANCEL APPROVED INTENT 11-19-98, PASSED MIT MARCH, 99, RETURN TO INJECTION.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

SHIRLEY HOUCHINS

Title

ENVIRONMENTAL & REGULATORY TECH

Date 9-02-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

INJECTOR

2. Name of Operator
MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3a. Address
P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)
(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 13, T41S, R23E
1980' FSL & 4620' FEL

5. Lease Serial No.
14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD 13-W-13

9. API Well No.
43-037-15851

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

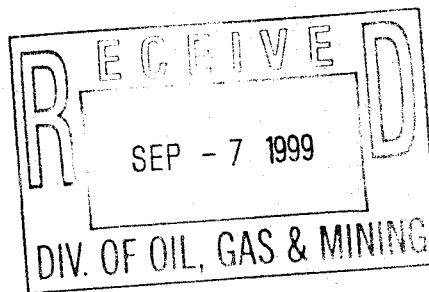
- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>RETURN</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>TO INJECTION</u> |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

THIS WELL WAS RETURN TO INJECTION IN JUNE OF 1998.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

SHIRLEY HOUCHINS

Title

ENVIRONMENTAL & REGULATORY TECH

Date 9-02-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

AUG 17 1999

14-20-603-247A (WC)
3162.3-2 (7100)

Ms Shirley Houchins
Mobil Oil Corp.
PO Box 633
Midland, TX 79702

Dear Ms Houchins:

Reference is made to your well No. 13W13 Ratherford Unit, 1980' FSL & 4620' FEL sec. 13, T. 41 S., R. 23 E., San Juan County, Utah, Lease 14-20-603-247A. The subject well was approved for long term shut in until August 1, 1999 to evaluate. To date we have not received your plans for the above-mentioned well.

You have 30 days to comply with this order. The 30 days commences upon receipt of this letter or seven days from the date it is mailed, whichever is less. Failure to comply within the 30 days may result in an assessment in accordance with 43 CFR 3163.1.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such requests shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 et seq.

If you have any questions please contact Stephen Mason with this office at (505) 599-6364.

Sincerely,

Errol Becher
Acting Team Leader, Petroleum Management Team

cc:
BIA, Window Rock
Navajo Nation Minerals Dept.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other INJECTOR

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL & 4620 FEL
SEC.13, T41S, R23E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 13-W-13A

9. API Well No.

43-037-15851

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

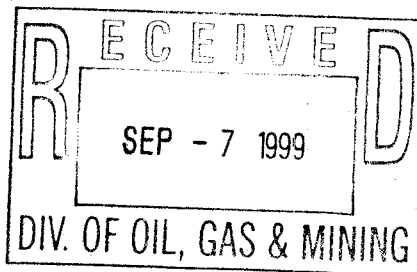
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other SHUT IN STATUS
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MOBIL IS REQUESTING SHUT IN STATUS. WELL IS BEING EVALUATED FOR FUTURE CO2 DEVELOPMENT.



THIS APPROVAL EXPIRES AUG 01 1999

97 AUG - 7 PM 1:13
RECEIVED
BLM
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed Shirley Houchins

Title ENV. & REG. TECHNICIAN

Date 08-05-97

(This space for Federal or State office use)

Approved by

MR. [Signature]

Title

Pet Eng.

Date

8/8/97

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

14-20-603-5046

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 9-W-43

9. API Well No.

43-037-16398

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

INJECTOR

2. Name of Operator

MOBIL PRODUCING TX & NM INC.*

*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3a. Address

P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 9, T41S, R24E
1980' FSL & 660' FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

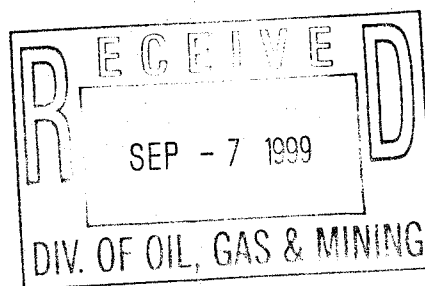
- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>SHUT-IN</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>STATUS</u> |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Coompleted Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

MOBIL REQUEST CONTINUED SHUT-IN STATUS FOR THIS WELL, IT IS BEING HELD FOR ZONE 2, C02 FLOOD IN THE FUTURE.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

SHIRLEY HOUCHINS

Title

ENVIRONMENTAL & REGULATORY TECH

Date 9-02-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

ExxonMobil Production Comp
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

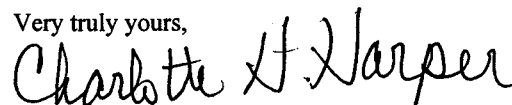
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office
NAVAJO REGIONP.O. Box 1060
Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNETT DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>DBM</i>
NATV AM MIN COORD	
SOLID MIN TEAM	
PETRO MGMT TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

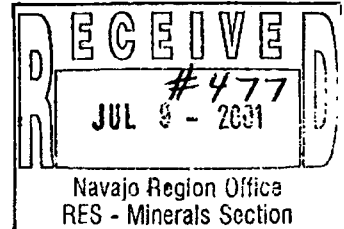
7/12/00/
GN
543
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name –
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

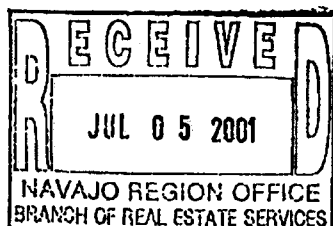
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Isasi

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

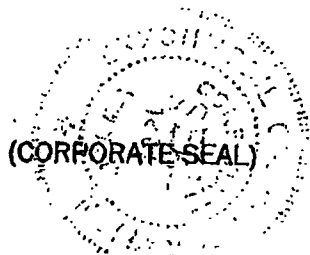
Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218





Signature
AGENT AND ATTORNEY IN FACT

Title

SAL

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

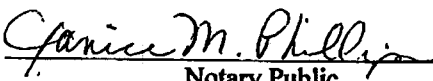
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.


Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.


Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

1000 West Loop South, Suite 1900, Houston, Texas 77027-3301
Tel: (713) 237-4600 • Fax: (713) 237-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00
bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By: 
Mary Pierson, Attorney-in-fact

**Chubb
Surety****POWER
OF
ATTORNEY****Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company****Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo**, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

On this 10th day of May, 2001

before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and has thereto subscribed by authority of said Companies in the presence of said Notary Public.



Notary Public State of New Jersey
No. 2231647

Commission Expires Oct. 28, 2004

Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

**CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION**

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.



CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.


F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

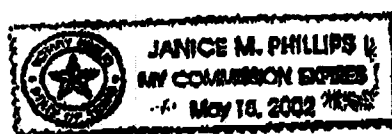
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.


F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]


NOTARY PUBLIC, STATE OF TEXAS



=> CSC

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06/01'01 08:19

CSC
CSC

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06/01 '01 09:01 NO. 411 02/02
06/01 '01 09:06 NO. 152 04/04
F010601000187**CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

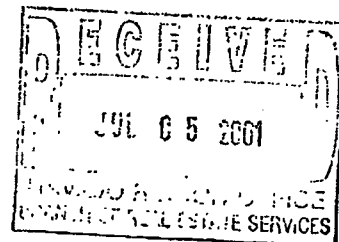
Under Section 805 of the Business Corporation Law

**STATE OF NEW YORK
DEPARTMENT OF STATE**Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.
(Mailing address)

TAX \$

BY: SACIrving, TX 75039-2298
(City, State and Zip code)ny / AlbanyCust Ref # 165578 MPJ**010601000195**

=> CSC

, TEL=5184334741

06/01'01 08:19

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: 06-01-2001	
FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: **RATHERFORD**

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
1-24	01-41S-23E	43-037-15839	6280	INDIAN	WI	A
N DESERT CR 44-2 (2-44)	02-41S-23E	43-037-16386	99990	INDIAN	WI	A
11-42	11-41S-23E	43-037-15841	6280	INDIAN	WI	A
11-44	11-41S-23E	43-037-15842	6280	INDIAN	WI	A
12-11	12-41S-23E	43-037-15843	6280	INDIAN	WI	A
RATHERFORD 12-W-22	12-41S-23E	43-037-15845	6280	INDIAN	WI	A
12-31	12-41S-23E	43-037-15847	6280	INDIAN	WI	A
RATHERFORD 12-W-33	12-41S-23E	43-037-15848	6280	INDIAN	WI	A
12-42	12-41S-23E	43-037-15850	6280	INDIAN	WI	A
N DESERT CR 13-12 (12-13)	12-41S-23E	43-037-16404	99990	INDIAN	WI	A
RATHERFORD U 12-24	12-41S-23E	43-037-31151	6280	INDIAN	WI	A
RATHERFORD U 12-W-44A	12-41S-23E	43-037-31543	6280	INDIAN	WI	A
13-W-13	13-41S-23E	43-037-15851	6280	INDIAN	WI	A
13-22	13-41S-23E	43-037-15852	6280	INDIAN	WI	A
13-24	13-41S-23E	43-037-15853	6280	INDIAN	WI	A
13-31	13-41S-23E	43-037-15854	6280	INDIAN	WI	A
RATHERFORD 13-W-33	13-41S-23E	43-037-15855	6280	INDIAN	WI	A
13-42	13-41S-23E	43-037-15857	6280	INDIAN	WI	A
N DESERT CR 44-13 (13W44)	13-41S-23E	43-037-16407	99990	INDIAN	WI	A
RATHERFORD U 13-W-11	13-41S-23E	43-037-31152	6280	INDIAN	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")**

The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

NOTE: EPA ISSUES UIC PERMIT

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/09/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/9/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection Well</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A
2. NAME OF OPERATOR: Mobil Producing Texas & New Mexico, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribal
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: Rutherford Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>1980</u> <u>4620</u> <u>13</u> <u>23</u> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>Sec 4</u> <u>41</u> <u>S</u> <u>R26</u> <u>E</u>		8. WELL NAME and NUMBER: Rutherford Unit #13W13
PHONE NUMBER: (713) 431-1197		9. API NUMBER: 4303715851
		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
		COUNTY: <u>San Juan</u>
		STATE: <u>UTAH</u>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>Wellhead Replacement</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the procedure to replace the wellhead on Rutherford Unit #13W13. This well has been shut-in for over a year needing the wellhead replaced. There has been no injection on this well during this time.

NAME (PLEASE PRINT) Kim S. Lynch TITLE Sr. Staff Office Assistant
SIGNATURE Kim Lynch DATE 4/22/2002

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

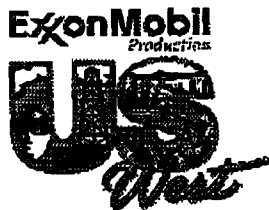
(5/2000)

(See Instructions on Reverse Side)

COPY SENT TO OPERATOR
Date: 4-23-02
Initials: CAL

Date: 4/23/02
By: Dan R. Dunt

Federal Approval Of This
Action Is Necessary



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



ExxonMobil Subsurface Engineering Contact

Jake Kamps

Office: 713-431-1295

Home: 281-209-9399

Fax: 713-431-1533

Cell: 832-661-9399

Objective: Perforate tbg, circulate KWF, sting out of packer and POOH w/injection tubing, RIH and set a 4" RBP and dump 10' of sand on top, replace existing wellhead with 5000# wellhead, remove RBP, RIH w/2 3/8" duolined tubing, RWTL

WELLBORE DISCUSSION:

SEE ATTACHED WELL HISTORY

PIPE PERFORMANCE:

String	Depth	ID (")	Drift (")	Conn. OD	Burst SF-1.25	Coll. SF-1.25	Tensile SF-1.33	Capacity (bbl/ft)
8 5/8" 28#/ft H-40	Surf - 1284'	8.017	7.892	9.625	1976	1312	239000	0.0624
5 1/2" J-55 14 & 15.5#/ft	Surf - 5356'	4.950	4.825	6.050	3416	2496	167000	0.0238
4" Flush Joint Liner 11.34#/ft	Surf - 5438'	3.428	3.3003	4.000	4280	3968	138000	0.0114
2 3/8" Duolined tbg, 4.7#/ft	Surf - 5301'	1.810	1.750	2.875	6160	6480	54000	0.00318
2 3/8" workstring		1.995	1.901	2.875	6160	6480	54000	0.00387

Capacity between 2 3/8" WS and 4" csg is 0.0059 bbl/ft

List of Additional Risk Exposure Factors and Reconciling Actions:

- **Additional Risk Exposure Factors:**
 - ☐ Presence of H₂S (4000 ppm) in reservoir fluids.
 - ☐ Wellbore may not hold a column of kill weight fluid.
- **Reconciling Actions:**
 - ☐ Continue to kill well as needed due to gas migration, see established killing procedures.
 - ☐ Operations performed during this workover will comply with requirements set forth in the ExxonMobil Safety Manual, Workover Operations Manual, BLM, EPA, and Navajo Nation regulations, and any applicable OSHA guidelines including prevention and mitigation measures when performing work in H₂S environments.

Procedure

REGULATORY DEADLINE: 5/19/02

This is a Category I workover due to the well having high pressure. Any workover requiring greater than 13 ppg mud is considered Category I work for high pressure as per the WOM guidelines. The worst case scenario requires a kill weight fluid density of 19.0 ppg.

BOPE Classification: Class II-B for Sour Service (MASIP calculated to be 2900 psi).



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



NOTES: Notify the BLM and Navaho EPA at least 48 hours in advance prior to rigging up on the well. Document the date and time of notification of both parties. Record all documentation in WWS. If representatives from the agencies are on site during plugging operations, record the names of the representatives, the date they were there, etc. Also record all communications in WWS.

Fill out necessary JSA/JSC's and hold a daily safety meeting on location to discuss the scope of the job and the hazards associated with it.

MIRU WLSU and Perforate the Tubing

1. Prior to MIRU, blow down well into a pit or vacuum truck until the tubing pressure drops below 500 psi and casing pressure drops to 0 psi. Pump one tubing volume of 10# brine, shut well in overnight, read gauges the next day and calculate necessary KWF to control the well.
2. MIRU WLSU. Close the Master Valve and install and test a Class II-B lubricator and WL BOPE to 5000 psi as per ExxonMobil WOM guidelines.
3. RIH w/a 1 5/16" tubing perforating gun and perforate the tubing 1 joint above where the packer is set (5301').
4. Circulate the wellbore with the calculated KWF.
Note: The worst case scenario requires 19.0 ppg mud to be circulated for well control. Based on the current pressures, evidence exists that we are dealing with a tubing leak (SITP = 2900#, SICP = 0#). The backside was previously blown down to the current pressure.
5. RIH and install a 1.43" profile in the plug located in the on/off tool. RDMO WLSU.

Rig Up and Pull Tubing

6. MIRU WSU. Ensure the well is dead and circulate KWF as necessary. ND Tree, NU BOPE w/2 3/8" pipe rams. Install and test per ExxonMobil guidelines. (Sec. III of the WOM).
7. Sting out of the permanent injection packer located @ 5301' and POOH laying down the tubing string. Inspect the tubing string and replace joints as necessary. Install thread protectors on the pipe before laying down.
8. RIH w/a 4" RBP and On/Off tool on 2 3/8" tubing and set @ +/- 4500'.
9. Pressure up on the backside to 1000 psi to ensure that the plug and casing are holding. J-Off the RBP and POOH w/the workstring. Dump bail 20' of sand on top of the RBP. Note: The sand is used to protect the RBP and on/off tool in case something were lost down hole.
10. Set another RBP @ 500' just in case some oil or gas is in the wellbore that will swap out with the KWF causing some pressure to build up. Dump bail 10' of sand on top of the second RBP. Monitor the pressure on the well for at least one hour.

Replace Wellhead

11. Once the well is under control, ND BOPE.



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



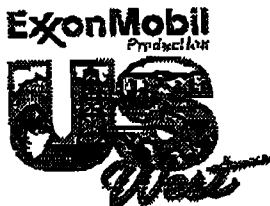
12. PU and RIH w/a 4" casing spear. Spear into the 4" tieback liner and pick up the pipe to relieve the tension and disengage the slips. Set the casing weight down on bottom. POOH w/4" spear. Note: If after the 4" is released and the casing does not drop deep enough to spear into the 5 1/2" casing string to disengage the slips, it may be necessary to back off the top joint of 4" casing to allow enough room for the 5 1/2" spear to latch onto the casing and disengage the slips.
13. PU and RIH w/5 1/2" casing spear. Spear into the 5 1/2" casing and pick up the pipe to relieve the tension and disengage the slips. Set the casing weight on bottom. POOH w/spear.
14. Remove the 4" and 5 1/2" casing heads from the well. Note: Once the wellhead is removed, examine the 8 5/8" bradenhead for replacement. If the 8 5/8" section needs to be replaced, RU a welder and cut off the 8 5/8" A section.
15. Install the new 8 5/8" (if necessary) by welding on a new bradenhead to the existing 8 5/8" casing.
16. Install the new 5 1/2" casing head. RIH w/a 5 1/2" spear and PU the 5 1/2" casing off of bottom. Hang off the 5 1/2" casing in the slips in tension. POOH w/5 1/2" spear.
17. Attach the joint of 4" casing (if necessary). Install the new 4" casing head. RIH w/a 4" casing spear and PU the 4" casing off of the bottom. Hang off the 4" casing in the slips in tension. POOH w/4" casing spear.
18. NUBOPE. Install and test per ExxonMobil guidelines. Make sure the wellhead is attached properly to ensure a good seal. Hang the production casing in tension. Pressure up to 3000 psi on the well to ensure that the wellhead is holding.

Remove RBP

19. RIH w/ 2 3/8" tubing and on/off tool to the top of sand and reverse circulate the wellbore clean (including the sand off of the top of the On/Off tool). J-on to the RBP @ 500'.
20. Open the bypass to release any pressure built up below the plug @ 500'. Release the RBP and POOH.
21. RIH w/2 3/8" tubing and on/off tool to the top of sand and reverse circulate the wellbore clean (including the sand off the top of the On/Off tool). J-on to the RBP @ 4500'.
22. Open the bypass to release any pressure built up below the plug @ 4500'. Release the RBP and POOH.

Return Well to Injection

23. RIH with the on/off tool, and the 2 3/8" duolined tubing.
24. Verify the ability to J-on to the packer. J-off the On/Off tool and Reverse circulate out KWF. Circulate the well with inhibited packer fluid. J-on to the packer and test the backside to 1000 psi.
25. Install a back pressure valve in the tubing head. ND BOPE, NU tree.
26. Install a Class II-B lubricator and WLBOPE and test per ExxonMobil guidelines. Remove the back pressure valve.
27. RIH with slickline and retrieve the 1.43" plug from the profile. RDMO WLSU and WSU.



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



28. SI well and perform a mechanical integrity test. RWTL. Note: Notify the BLM and NNEPA at least 24 hours prior to performing the MIT so they can witness the test if they wish to do so.
29. Clean location.
30. Notify lease operator and Kim Lynch (713-431-1197) when the work is complete.

NOTES:

- ☐ Track all costs through WWS on a daily basis.
- ☐ FRW the well as soon as the well is completed and returned to injection.
- ☐ Enter volumes and pressures on all pumping operations in the morning report.
- ☐ Note the size (OD, ID) and type of equipment used in well work on the morning report.

REFERENCES: WORKOVER OPERATIONS MANUAL

Rig Anchors	Section X-D	Pages 56-63
Class III BOPE, Testing	Section III	Pages 2-8
H2S Operations	Section VIII	Pages 1-21
Well Control	Section IV	Pages 2-14
High Pressure Pumping	Section IX	Pages 1-18
MOC	Section I	Pages 13-15

NOTE:

This procedure is a guide for the well work to be done. It should be followed closely as long as actual working conditions agree reasonably well with pre-work predictions. When substantially different working conditions arise and deviations from the procedure above are necessary, the ExxonMobil Workover Supervisor must be notified and approve of the changes. If the changes significantly increase the risks or scope of the job, the WO supervisor must complete an MOC and advise his supervisor of such actions as soon as job conditions permit.

All workover operations must comply with standards set by ExxonMobil. The standards and testing procedures for workover operations can be found in the ExxonMobil Production Department Safety Manual, the ExxonMobil Workover Operations Manual, and the ExxonMobil Workover Blowout Prevention Equipment Manual. Protection of both workers and the environment are a top priority with ExxonMobil, and all well work shall be done in accordance with company policies.

Exxon Mobil Corporation

Permitting

396 W. Greens Road

Houston, Texas 77067

(Fax) 713-431-1600

To: Dustin Doucet Fax No: 801-359-3940Company: UT Division of Oil, Gas & MiningFrom: Kim Lynch Phone: 713-431-1197Date: 4/22/02 Pages: 18 (including this page)

Comments: Mr. Doucet, as we discussed, attached are
2 new and 6 previously sent Form 9 Intent
forms for the Greater Aneth field. I will
overnight the originals to you tonight. Please
let me know if you have any questions.
Also attached is the approval I received for
the Mc Elmo Creek Unit #P-11. The P-11 is
an injection well, the well was converted to
injection on 1/20/84. *OK in Computer*

Thank You-

Kim Lynch

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APR 22 2002

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection Well</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A
2. NAME OF OPERATOR: Mobil Producing Texas & New Mexico, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribal
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		7. UNIT or CA AGREEMENT NAME: Ratherford Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>1798.36' FSL & 705.07' FEL</u> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>Sec 4 41 S R 25 E</u>		8. WELL NAME and NUMBER: Ratherford Unit #13W13
PHONE NUMBER: (713) 431-1197		9. API NUMBER: 4303715851
		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
		COUNTY: <u>San Juan</u>
		STATE: <u>UTAH</u>

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>Wellhead Replacement</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the procedure to replace the wellhead on Ratherford Unit #13W13. This well has been shut-in for over a year needing the wellhead replaced. There has been no injection on this well during this time.

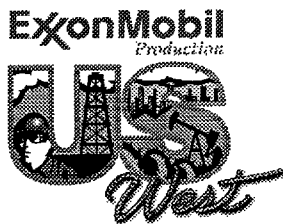
NAME (PLEASE PRINT) Kim S. Lynch TITLE Sr. Staff Office Assistant
SIGNATURE Kim Lynch DATE 4/22/2002

(This space for State use only)

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APR 24 2002

DIVISION OF
OIL, GAS AND MINING



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



ExxonMobil Subsurface Engineering Contact

Jake Kamps

Office: 713-431-1295

Fax: 713-431-1533

Home: 281-209-9399

Cell: 832-661-9399

Objective: Perforate tbg, circulate KWF, sting out of packer and POOH w/injection tubing, RIH and set a 4" RBP and dump 10' of sand on top, replace existing wellhead with 5000# wellhead, remove RBP, RIH w/2 3/8" duolined tubing, RWTI.

WELLBORE DISCUSSION:

SEE ATTACHED WELL HISTORY

PIPE PERFORMANCE:

String	Depth	ID (")	Drift (")	Conn. OD	Burst SF -1.25	Coll. SF-1.25	Tensile SF-1.33	Capacity (bbl/ft)
8 5/8" 28#/ft H-40	Surf - 1284'	8.017	7.892	9.625	1976	1312	239000	0.0624
5 1/2" J-55 14 & 15.5#/ft	Surf - 5356'	4.950	4.825	6.050	3416	2496	167000	0.0238
4" Flush Joint Liner 11.34#/ft	Surf - 5438'	3.428	3.3003	4.000	4280	3968	138000	0.0114
2 3/8" Duolined tbg, 4.7#/ft	Surf - 5301'	1.810	1.750	2.875	6160	6480	54000	0.00318
2 3/8" workstring		1.995	1.901	2.875	6160	6480	54000	0.00387

Capacity between 2 3/8" WS and 4" csg is 0.0059 bbl/ft

List of Additional Risk Exposure Factors and Reconciling Actions:

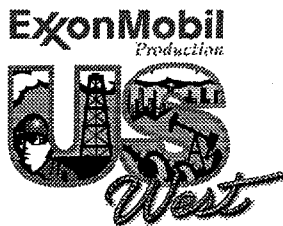
- **Additional Risk Exposure Factors:**
 - ☐ Presence of H₂S (4000 ppm) in reservoir fluids.
 - ☐ Wellbore may not hold a column of kill weight fluid.
- **Reconciling Actions:**
 - ☐ Continue to kill well as needed due to gas migration, see established killing procedures.
 - ☐ Operations performed during this workover will comply with requirements set forth in the ExxonMobil Safety Manual, Workover Operations Manual, BLM, EPA, and Navajo Nation regulations, and any applicable OSHA guidelines including prevention and mitigation measures when performing work in H₂S environments.

Procedure

REGULATORY DEADLINE: 5/19/02

This is a Category I workover due to the well having high pressure. Any workover requiring greater than 13 ppg mud is considered Category I work for high pressure as per the WOM guidelines. The worst case scenario requires a kill weight fluid density of 19.0 ppg.

BOPE Classification: Class II-B for Sour Service (MASIP calculated to be 2900 psi).



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



NOTES: Notify the BLM and Navaho EPA at least 48 hours in advance prior to rigging up on the well. Document the date and time of notification of both parties. Record all documentation in WWS. If representatives from the agencies are on site during plugging operations, record the names of the representatives, the date they were there, etc. Also record all communications in WWS.

Fill out necessary JSA/JSC's and hold a daily safety meeting on location to discuss the scope of the job and the hazards associated with it.

MIRU WLSU and Perforate the Tubing

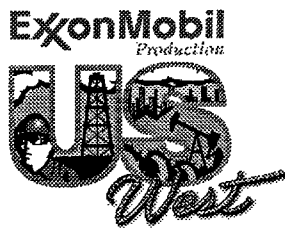
1. Prior to MIRU, blow down well into a pit or vacuum truck until the tubing pressure drops below 500 psi and casing pressure drops to 0 psi. Pump one tubing volume of 10# brine, shut well in overnight, read gauges the next day and calculate necessary KWF to control the well.
2. MIRU WLSU. Close the Master Valve and install and test a Class II-B lubricator and WL BOPE to 5000 psi as per ExxonMobil WOM guidelines.
3. RIH w/a 1 5/16" tubing perforating gun and perforate the tubing 1 joint above where the packer is set (5301').
4. Circulate the wellbore with the calculated KWF.
Note: The worst case scenario requires 19.0 ppg mud to be circulated for well control. Based on the current pressures, evidence exists that we are dealing with a tubing leak (SITP = 2900#, SICP = 0#). The backside was previously blown down to the current pressure.
5. RIH and install a 1.43" profile in the plug located in the on/off tool. RDMO WLSU.

Rig Up and Pull Tubing

6. MIRU WSU. Ensure the well is dead and circulate KWF as necessary. ND Tree, NU BOPE w/2 3/8" pipe rams. Install and test per ExxonMobil guidelines. (Sec. III of the WOM).
7. Sting out of the permanent injection packer located @ 5301' and POOH laying down the tubing string. **Inspect the tubing string and replace joints as necessary. Install thread protectors on the pipe before laying down.**
8. RIH w/a 4" RBP and On/Off tool on 2 3/8" tubing and set @ +/- 4500'.
9. Pressure up on the backside to 1000 psi to ensure that the plug and casing are holding. J-Off the RBP and POOH w/the workstring. Dump bail 20' of sand on top of the RBP. **Note: The sand is used to protect the RBP and on/off tool in case something were lost down hole.**
10. Set another RBP @ 500' just in case some oil or gas is in the wellbore that will swap out with the KWF causing some pressure to build up. Dump bail 10' of sand on top of the second RBP. Monitor the pressure on the well for at least one hour.

Replace Wellhead

11. Once the well is under control, ND BOPE.



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



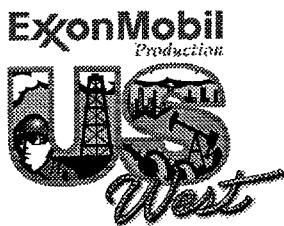
12. PU and RIH w/a 4" casing spear. Spear into the 4" tieback liner and pick up the pipe to relieve the tension and disengage the slips. Set the casing weight down on bottom. POOH w/4" spear. **Note: If after the 4" is released and the casing does not drop deep enough to spear into the 5 1/2" casing string to disengage the slips, it may be necessary to back off the top joint of 4" casing to allow enough room for the 5 1/2" spear to latch onto the casing and disengage the slips.**
13. PU and RIH w/5 1/2" casing spear. Spear into the 5 1/2" casing and pick up the pipe to relieve the tension and disengage the slips. Set the casing weight on bottom. POOH w/spear.
14. Remove the 4" and 5 1/2" casing heads from the well. **Note: Once the wellhead is removed, examine the 8 5/8" bradenhead for replacement. If the 8 5/8" section needs to be replaced, RU a welder and cut off the 8 5/8" A section.**
15. Install the new 8 5/8" (if necessary) by welding on a new bradenhead to the existing 8 5/8" casing.
16. Install the new 5 1/2" casing head. RIH w/a 5 1/2" spear and PU the 5 1/2" casing off of bottom. Hang off the 5 1/2" casing in the slips in tension. POOH w/5 1/2" spear.
17. Attach the joint of 4" casing (if necessary). Install the new 4" casing head. RIH w/a 4" casing spear and PU the 4" casing off of the bottom. Hang off the 4" casing in the slips in tension. POOH w/4" casing spear.
18. NUBOPE. Install and test per ExxonMobil guidelines. **Make sure the wellhead is attached properly to ensure a good seal. Hang the production casing in tension. Pressure up to 3000 psi on the well to ensure that the wellhead is holding.**

Remove RBP

19. RIH w/ 2 3/8" tubing and on/off tool to the top of sand and reverse circulate the wellbore clean (including the sand off of the top of the On/Off tool). J-on to the RBP @ 500'.
20. Open the bypass to release any pressure built up below the plug @ 500'. Release the RBP and POOH.
21. RBIH w/2 3/8" tubing and on/off tool to the top of sand and reverse circulate the wellbore clean (including the sand off the top of the On/Off tool). J-on to the RBP @ 4500'.
22. Open the bypass to release any pressure built up below the plug @ 4500'. Release the RBP and POOH.

Return Well to Injection

23. RBIH with the on/off tool , and the 2 3/8" duolined tubing.
24. Verify the ability to J-on to the packer. J-off the On/Off tool and Reverse circulate out KWF. Circulate the well with inhibited packer fluid. J-on to the packer and test the backside to 1000 psi.
25. Install a back pressure valve in the tubing head. ND BOPE, NU tree.
26. Install a Class II-B lubricator and WLBOPE and test per ExxonMobil guidelines. Remove the back pressure valve.
27. RIH with slickline and retrieve the 1.43" plug from the profile. RDMO WLSU and WSU.



Ratherford Unit 13W13
Greater Aneth Field
San Juan County, Utah



28. SI well and perform a mechanical integrity test. RWTL. **Note: Notify the BLM and NNEPA at least 24 hours prior to performing the MIT so they can witness the test if they wish to do so.**
29. Clean location.
30. Notify lease operator and Kim Lynch (713-431-1197) when the work is complete.

NOTES:

- ☐ Track all costs through WWS on a daily basis.
- ☐ FRW the well as soon as the well is completed and returned to injection.
- ☐ Enter volumes and pressures on all pumping operations in the morning report.
- ☐ Note the size (OD, ID) and type of equipment used in well work on the morning report.

REFERENCES: WORKOVER OPERATIONS MANUAL

Rig Anchors	Section X-D	Pages 56-63
Class III BOPE, Testing	Section III	Pages 2-8
H2S Operations	Section VIII	Pages 1-21
Well Control	Section IV	Pages 2-14
High Pressure Pumping	Section IX	Pages 1-18
MOC	Section I	Pages 13-15

NOTE:

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Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2006

FROM: (Old Operator):
 N1855-ExxonMobil Oil Corporation
 PO Box 4358
 Houston, TX 77210-4358
 Phone: 1 (281) 654-1936

TO: (New Operator):
 N2700-Resolute Natural Resources Company
 1675 Broadway, Suite 1950
 Denver, CO 80202
 Phone: 1 (303) 534-4600

CA No.

Unit:

RATHERFORD (UIC)

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2) Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
8. **Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/22/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/22/2006
6. **Receipt of Acceptance of Drilling Procedures for APD/New** on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list		API Number Attached
Location of Well		Field or Unit Name Ratherford Unit
Footage: See attached list	County: San Juan	Lease Designation and Number See attached list
QQ, Section, Township, Range:	State: UTAH	

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: _____
Address: PO Box 4358 Signature: _____
city Houston state TX zip 77210-4358 Title: _____
Phone: (281) 654-1936 Date: _____
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory
Address: 1675 Broadway, Suite 1950 Signature: _____
city Denver state CO zip 80202 Title: Regulatory Coordinator
Phone: (303) 534-4600 Date: 4/20/2006
Comments: A list of affected UIC wells is attached.
New bond numbers for these wells are:
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by: _____
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

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APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
2. NAME OF OPERATOR: Resolute Natural Resources Company <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Ratherford Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: See attached list
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u> </u>		9. API NUMBER: Attached
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) Dwight E Mallory

TITLE Regulatory Coordinator

SIGNATURE Dwight E Mallory

DATE 4/20/2006

(This space for State use only)

APPROVED 6127106

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68931A</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: <u>Ratherford</u> 9. API NUMBER: <u>attached</u> 10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>
PHONE NUMBER: <u>(281) 654-1936</u>		

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <u>Laurie Kilbride</u>	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/27/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
(See Instructions on Reverse Side)

RECEIVED
APR 21 2006

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL	
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL	
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL	
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL	
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL	
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL	
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL	
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL	
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL	
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL	
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL	
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL	
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL	
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL	
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL	
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL	
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL	
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL	
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL	
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL	
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL	
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL	
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL	
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL	
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL	
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL	
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL	
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL	
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL	
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL	
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL	
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL	
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL	
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL	
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL	
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL	
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL	
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL	
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL	
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL	
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL	
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL	
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL	
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL	
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL	
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL	
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL	
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL	
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL	
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL	

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		8. WELL NAME and NUMBER: 13-W-13
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FSL 4620 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 13 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037158510000
9. FIELD and POOL or WILDCAT: GREATER ANETH		COUNTY: SAN JUAN
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/20/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 Resolute Natural Resources respectfully submits this sundry as notice of acid treatment on the above well. Attached are the procedures and schematic

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: July 20, 2015

By: *Dark Oust*

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 7/14/2015	

Resolute

Natural Resources

Re: RU Injection Wells Bullhead Stimulation - Eight Treatments

Well Summary Table												
Well No.	Planned Treatment	Bbls after xyl to 30 min soak	Bbls wtr disp after trtmt	Well Type	Tbg - Csg Sizes	Perforated Interval, ft	Current BWIPD	Pattern Oil Cut, %	Tbg Install Date	Last Acid Date	Pattern +BOPD	Est Stim Cost, \$M
1	8W-14 2500 HCl & 400 xyl	26.8	33	Vertical	2-3/8 - 7	28	37	5.4	Nov 1990	None - WV ¹	14	21.7
2	12W-11 2500 HCl & 400 xyl	21.4	28	Vertical	2-3/8 - 4	47	94	7.2	May 2006	None - WV	14	21.7
3	13W-42 2500 HCl & 400 xyl	21.1	27	Vertical	2-3/8 - 4	40	318*	4.4	Nov 2010	11/4/2006	22	21.7
4	19W-34 5000 HCl & 600 xyl	39.5	63	Sgl Lateral	2-7/8 - 5-1/2 (H. lateral)		54	16.3	Mar 2014	None - WV	57	32.9
5	13W-13 2500 ClO ₂	NA	27	Vertical	2-3/8 - 4	58	447	5.5	Jan 1993	None - WV	22	28.8
6	24W-42 2500 ClO ₂	NA	28	Vertical	2-3/8 - 4	32	159	4.5	June 2012	12/10/2014	18	28.8
7	28W-21 2500 ClO ₂	NA	27	Vertical	2-3/8 - 4	24	124	5.9	Dec 1992	None - WV	24	28.8
8	18W-34 3500 ClO ₂	NA	94	Sgl Lateral	2-7/8 - 5-1/2 (H. lateral)		481	9.7	July 2012	None ever	29	37.5
											200	221.9
*13W-42 was backflowed ~500 bbls on 7/9 & put back on injection at 318 bwipd, 100% open; previously zero rate & suspected to be plugged downhole at tbg plug (sheared only, not pulled). ¹ No acid recorded in Well View, i.e. none since 2006.												

Procedure

Horsley Witten: **Not Applicable**

1. Check crown valve & wing valve for integrity to ensure pump truck can rig up to well. (All wells to be checked before mobilizing equipment.)
2. MIRU frac tank, manifold & hard line for flowback. RU ABC shower trailer.
3. Backflow the well for ~400 bbls, or until significant gas appears, or well dies, then shut in.
4. RU pumping equipment to wellhead & PT lines. Record TP, CP, Bradenhead P (BHP).
5. ACID TREATMENTS: Pump xylene, inhibited 20% HCl, produced water displacement volumes per table above, stopping for 30 min soak after xylene "turns the corner" into perfs. **Pump displacement volume at maximum rate possible, staying under 3000 psi TP.** Monitor CP and BHP while pumping.
6. CHLORINE DIOXIDE TREATMENTS: Pump 400 gal xylene, 5 bbls water, 500 gal 20% HCl w/additives, 1 bbl water, 65 gal 410B Activator, 1 bbl water; Repeat this sequence 5 times until products are all gone. NOTE: For 18W-34 the sequence will be the same except that it will be pumped 7 times.
7. Rig down pumping equipment. Allow 2 hrs minimum soak time after acid treatments; overnight for Chlorine Dioxide treatments before returning to injection.
8. Notify Pierce Benally (435) 619-7227 that the well is ready to return to injection.
9. Open the well to injection; Record the initial injection rate and tubing pressure.

RATHERFORD UNIT # 13W-13

GREATER ANETH FIELD

1980' FSL & 4620' FEL

SEC 13-T41S-R23E

SAN JUAN COUNTY, UTAH

API 43-037-15851

PRISM 0043001

INJECTOR

